

# FEDERAL ITEM IDENTIFICATION GUIDE

## HANDCRANKS AND HANDWHEELS

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Commander

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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## GENERAL INFORMATION

### 1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

### 2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

#### a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

#### b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

- (1) The letter "X" indicates the requirement must be answered for a full descriptive item.
- (2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (\*) is used in conjunction with the applicability key column in Section I.
- (3) A blank in the column indicates the requirement is not applicable to the specific item name.

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c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (\*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (\*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (\*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

#### 4. Special Instructions and Indicator Definitions

##### a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

##### b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

#### 5. Indexes

##### a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

##### b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

##### c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

#### 6. Maintenance

Requests for revisions and other changes will be directed to:

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**INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG**

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
<b>Arm</b>		
1. (Mechanical) A rigid piece or part designed to be firmly attached at one point, and capable of rotating or oscillating around this axis, which is the point of receipt or application of force or motion being transmitted. Excludes BELL CRANK and LEVER (as modified)		
ARM (1), HAND CRANK	60065	C
A radial arm designed to be used with a HANDLE, CRANK parallel to its axis for transmitting motion to a shaft or object. For items with an integral handle, see CRANK, HAND.		
CRANK, HAND	17533	A
An item consisting of a radial arm having a handle parallel to its pivoted axis for transmitting motion to a shaft or object. It may have an integral extension. For items without an integral handle, see, ARM (1), HAND CRANK. Excludes HANDWHEEL; and HANDLE, WINDOW REGULATOR.		
HANDLE, CRANK	42077	D
A metallic or nonmetallic item specifically designed to be attached to a ARM, HAND CRANK parallel to its axis for transmitting motion to a shaft or object.		
HANDWHEEL	13379	B
An item having a major diameter of 3 or more inches (76.2mm) (other than items having spoked or simulated spoked construction, which may be under 3 inches (76.2mm)) designed to be gripped by the hand to transmit rotary motion to other devices through a center axis, fabricated in the form of a solid body with simulated spokes or a recessed surface between the rim and the hub, or it may be built up in the form of a frame having a central hub connected to the rim by the spokes. It may have reference markings in the form of dots, arrows, hairline, etc., to indicate the relative position and/or direction of rotation of the item(s) with which it is used. It may also include an integral ratchet device. For similar items having a maximum diameter of less than 3 inches (76.2mm), see KNOB. For items calibrated in units or series of divisions denoting relative positioning of associated devices, see DIAL (as modified). Excludes STEERING WHEEL.		

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## APPLICABILITY KEY INDEX

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
NAME	X	X	X	X
ANNQ	X	X	X	X
ANNR	AR	AR	AR	AR
AWJT	AR	AR	AR	AR
AWJW	X		X	
AJAT	AR		AR	
AWKG	AR		AR	
AWKH	AR		AR	
AWJX		X		
ABGL		AR		
ABKV		AR		
ABKW		AR		
ABRY		AR		
AJLJ		AR		
ALNC		AR		
AWKK		AR		
AWKJ		AR		
AWKL		AR		
AJFW	X		X	
AATR	AR		AR	
ABGC	AR		AR	
ABRW	AR		AR	
ADJV	AR		AR	
AGBT	AR		AR	
AHMK	AR		AR	
AJSD	AR		AR	
AKYX	AR		AR	
AQZQ	AR		AR	
AWKM	AR		AR	
AWJY	X	X	X	X
AARX	AR	AR	AR	AR
AAST	AR	AR	AR	AR
AAUB	AR	AR	AR	AR
AAUH	AR	AR	AR	AR
AAUJ	AR	AR	AR	AR
AAUK	AR	AR	AR	AR
AAVH	AR	AR	AR	AR
AAVK	AR	AR	AR	AR
AAWY	AR	AR	AR	AR
AAWZ	AR	AR	AR	AR
AAZQ	AR	AR	AR	AR
ABFY	AR	AR	AR	AR
ABGB	AR	AR	AR	AR
ABGE	AR	AR	AR	AR
ABGG	AR	AR	AR	AR
ABHP	AR	AR	AR	AR
ABNC	AR	AR	AR	AR
ABRR	AR	AR	AR	AR

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ABRV	AR	AR	AR	AR
ABSF	AR	AR	AR	AR
AXFE	AR	AR	AR	AR
ABVV	AR	AR	AR	AR
AFYS	AR	AR	AR	AR
AKRS	AR	AR	AR	AR
AWGN	AR	AR	AR	AR
AWKN	AR	AR	AR	AR
AWKQ	AR	AR	AR	AR
ABGK	AR	AR	AR	AR
ADVR	AR	AR	AR	AR
ABSA	AR	AR	AR	AR
ADDW	AR	AR	AR	AR
AEVC	AR	AR	AR	AR
AEVE	AR	AR	AR	AR
ASXK	AR	AR	AR	AR
AWKP	AR	AR	AR	AR
AWJZ	AR	AR	AR	AR
AWDP	AR	AR	AR	AR
CMLP	AR	AR	AR	AR
CQQR	AR	AR	AR	AR
CFHL	AR	AR	AR	AR
CTTC	AR	AR	AR	AR
APJC	AR	AR	AR	AR
AAJE	AR	AR	AR	AR
AAJF	AR	AR	AR	AR
AWKA	X			
AZGM	AR		AR	
CLMQ	AR		AR	
CPTW	AR		AR	
CPTX	AR		AR	
CDTD	AR		AR	
CDTF	AR		AR	
CTXF	AR		AR	
CXNN	AR		AR	
CDTG	AR		AR	
AWKB	AR	AR		
AWKC	AR	AR		AR
BTFP		AR	X	AR
ALMP	AR	AR		X
AASN	AR	AR		AR
AWKD	X	X		X
AWKE		X		X
AWKF	X	X		X
ABSP	AR	AR	AR	
FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
ELCD	AR	AR	AR	AR

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AWJN	AR	AR	AR	AR
AFJK	AR	AR	AR	AR
ABFF	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
PRMT	AR	AR	AR	AR
PMWT	AR	AR	AR	AR
PMLC	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR
PKQT	AR	AR	AR	AR
EXQT	AR	AR	AR	AR
SUWT	AR	AR	AR	AR
ECWT	AR	AR	AR	AR
SUCB	AR	AR	AR	AR
EXME	AR	AR	AR	AR
CXCY	AR	AR	AR	AR

**SECTION I**

APP  
Key MRC Mode Code Requirements

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ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

*Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED17533\*)*

ALL

ANNQ H MATERIAL AND LOCATION

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Table 1 and from the table below. (e.g., ANNQHST1704AAB\*; ANNQHALA000AAB\$\$HBR0000AAB\*; ANNQHALA000AAB\$HBR0000AAB\*)

*If multiple or optional materials are specified for more than one location use AND/OR coding (\$\$/). (e.g., ANNQHALA000AJL\$HBR0000AJL\$HALA000APD\$HBR0000APD\*)*

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
APD	ARM
ALE	BUSHING
APE	DRIVE END
AJL	HANDLE
APF	HANDLE PIN
AAF	HUB
AAB	OVERALL
DWC	POINTER
APG	RIM
APH	SPOKE
AYS	WASHER
APJ	WEB
CMD	WHEEL (rim, spoke, hub)

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APP  
Key MRC Mode Code Requirements

ALL \*

ANNR H SURFACE TREATMENT AND LOCATION

Definition: THE PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE ITEM, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Table 2 and from the table below. (e.g., ANNRHAN0002AAB\*; ANNRHAN0002AAB\$\$HAN0004AAB\*; ANNRHAN0002AAB\$HAN0004AAB\*)

*If multiple or optional surface treatments are specified for more than one location use AND/OR coding (\$\$/). Enter replies in the same sequence as for MRC ANNQ. (e.g., ANNRHAN0002AJL\$\$HAN0004AJL\$\$HAN0002APD\$HAN0004APD\*)*

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
APD	ARM
ALE	BUSHING
APE	DRIVE END
AJL	HANDLE
APF	HANDLE PIN
AAF	HUB
AAB	OVERALL
DWC	POINTER
APG	RIM
APH	SPOKE
AYS	WASHER
APJ	WEB
CMD	WHEEL (rim, spoke, hub)

ALL \*

AWJT H COLOR AND LOCATION

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY, AND ITS LOCATION ON THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Table 3 and from the table below. (e.g., AWJTHRE0000AAB\*; AWJTHBL0000APD\$\$HGR0000APD\*; AWJTHBL0000APD\$HGR0000APD\*)

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APP  
Key MRC Mode Code Requirements

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*If multiple or optional colors are specified for more than one location use AND/OR coding (\$\$/). Enter replies in the same sequence as for MRC ANNQ. (e.g., AWJT1AHBL0000AJL\$\$HGR0000AJL\$\$HBL0000APD\$HGR0000APD\*)*

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
APD	ARM
ALE	BUSHING
APE	DRIVE END
AJL	HANDLE
APF	HANDLE PIN
AAF	HUB
AAB	OVERALL
DWC	POINTER
APG	RIM
APH	SPOKE
AYS	WASHER
APJ	WEB
CMD	WHEEL (rim, spoke, hub)

A, C

AWJW L ARM STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ARM.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group A. (e.g., AWJWL5\*)

B

AWJX L HANDWHEEL STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HANDWHEEL.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group B. (e.g., AWJXL35\*)

A, C

AJFW L DRIVE END STYLE

APP  
Key MRC Mode Code Requirements

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Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE DRIVE END.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group D. (e.g., AJFWL109\*)

ALL

AWJY L DRIVE FACILITY STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE DRIVE FACILITY.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group E. (e.g., AWJYL139\*)

ALL \*

AWJZ D DRIVE FACILITY THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A GIVEN DIAMETER OF THE DRIVE FACILITY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., AWJZDNC\*)

NOTE FOR MRCS AWDP, CMLP, CFHL, APJC, AAJE, AND AAJF: IF REPLY CODE NC, NF, NE, UN, NM, NS, JC, JF, JE, OR NJ IS ENTERED FOR MRC AWJZ, REPLY TO MRCS AWDP, CMLP, CFHL, AND AAJF, OR AWDP, CMLP, APJC, AAJE, AND AAJF. IF REPLY CODE SS OR SM IS ENTERED FOR MRC AWJZ, REPLY TO MRCS AWDP, CQQR OR CTTC OR AAJE, AAJF. IF REPLY CODE AM IS ENTERED FOR MRC AWJZ, REPLY TO MRCS AWDP, CMLP, CFHL, APJC, AND AAJF.

ALL \* (See Note Above)

AWDP J THREAD DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE THREADED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

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APP  
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWDPJAA0.250\*; AWDPJLA5.0\*; AWDPJAB0.250\$\$JAC0.266\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL \* (See Note Preceding MRC AWDP)

CMLP            A            THREAD QUANTITY PER INCH

Definition: THE NUMBER OF THREADS ON THE ITEM PER LINEAR INCH MEASURED ON A LINE PARALLEL TO THE THREAD AXIS.

Reply Instructions: Enter the quantity.

(e.g., CMLPA4-1/2\*;

CMLPA10\*)

ALL \* (See Note Preceding MRC AWDP)

CQQR            B            THREAD PITCH IN MILLIMETERS

Definition: A MEASUREMENT OF DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREAD AXIS, EXPRESSED IN MILLIMETERS

Reply Instructions: Enter the numeric value. (e.g., CQQRB1.0\*)

ALL \* (See Note Preceding MRC AWDP)

CFHL            D            THREAD CLASS

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SECTION I

APP  
Key MRC Mode Code Requirements

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH-DIAMETER TOLERANCE AND THE EXTERNAL OR INTERNAL LOCATION OF THE THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHLDAK\*)

<u>REPLY CODE</u>	<u>REPLY (AN53)</u>
AB	1A
AD	1B
AE	2A
AG	2B
AN	2C
AP	2G
AJ	3A
AK	3B
AQ	3C
AR	3G
AS	4C
AT	4G
AW	5C
AX	6C

ALL \* (See Note Preceding MRC AWDP)

CTTC J THREAD TOLERANCE CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING ESTABLISHED PITCH AND CREST DIAMETER TOLERANCE POSITION AND GRADE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the designator. (e.g., CTTCJNTE4H6H\*; CTTCJEXT6H\$\$JNTE6G\*)

<u>REPLY CODE</u>	<u>REPLY (AN73)</u>
EXT	EXTERNAL
NTE	INTERNAL

ALL \* (See Note Preceding MRC AWDP)

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

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Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABX\*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
ABY	EXTERNAL
ABX	INTERNAL

ALL \* (See Note Preceding MRC AWDP)

AAJE J THREAD PITCH DIAMETERS

Definition: THE MINIMUM AND MAXIMUM PITCH DIAMETER LIMITS OF A STRAIGHT SCREW THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the minimum and maximum pitch diameter, separated by a slash. Precede each value with the letter P. (e.g., AAJEJAP0.2157/P0.2195\*; AAJEJLP1.50/P2.00\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL \* (See Note Preceding MRC AWDP)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAL\*)

<u>REPLY CODE</u>	<u>REPLY (AA38)</u>
AAG	LEFT-HAND
AAL	RIGHT-HAND

A

AWKA J CRANK OVERALL LENGTH

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SECTION I

APP  
Key MRC Mode Code Requirements

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE CRANK.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWKAJAA11.250\*; AWKAJLA60.0\*; AWKAJAB11.000\$\$JAC11.266\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A\*, C\*

AZGM D MOUNTING FACILITY

Definition: THE FACILITY FOR MOUNTING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZGMDAAQ\*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
AAD	PIN
ABY	SLOT
BMZ	SPRING LOADED BALL
AAQ	THREADED MOUNTING HOLES
AAZ	UNTHREADED MOUNTING HOLES

NOTE FOR MRCS CLMQ, CPTW, CPTX, AND CDTD: IF REPLY CODE AAZ ENTERED FOR MRC AZGM, REPLY TO MRC CLMQ. IF REPLY CODE ABY IS ENTERED FOR MRC AZGM, REPLY TO MRCS CPTW AND CPTX. IF REPLY CODE AAQ IS ENTERED FOR MRC AZGM, REPLY TO MRC CDTD.

A\*, C\* (See Note Above)

CLMQ J MOUNTING FACILITY DIAMETER

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Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING FACILITY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CLMQJAA0.500\*; CLMQJLA10.0\*; CLMQJAB0.500\$\$JAC0.562\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A\*, C\* (See Note Preceding MRC CLMQ)

CPTW J MOUNTING FACILITY SLOT WIDTH

Definition: THE DISTANCE MEASURED ALONG A STRAIGHT LINE PERPENDICULAR TO THE MOUNTING SLOT, FROM ONE EDGE TO THE OTHER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CPTWJAA0.250\*; CPTWJLA5.0\*; CPTWJAB0.250\$\$JAC0.266\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

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A\*, C\* (See Note Preceding MRC CLMQ)

CPTX J MOUNTING FACILITY SLOT LENGT

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE MOUNTING FACILITY SLOT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CPTXJAA0.375\*; CPTXJLA1.0\*; CPTXJAB0.375\$\$JAC0.391\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A\*, C\* (See Note Preceding MRC CLMQ)

CDTD D MOUNTING FACILITY THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A MOUNTING FACILITY DIAMETER.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., CDTDDNC\*)

NOTE FOR MRCS CDTF, CDTG, CTXF, AND CXNN: IF REPLY CODE AM, NC, NF, NE, UN, NM, NS, JC, JF, JE, OR NJ IS ENTERED FOR MRC CDTD, REPLY TO MRCS CDTF, CDTG, AND CTXF. IF REPLY CODE SS, SM, OR SJ IS ENTERED FOR MRC CDTD, REPLY TO MRCS CDTF, CTXF, AND CXNN.

A\*, C\* (See Note Above)

CDTF J MOUNTING FACILITY THREAD DIAMETER

APP  
Key MRC Mode Code Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING FACILITY WHICH WOULD BOUND THE CREST OF AN EXTERNAL THREAD OR THE ROOT OF AN INTERNAL THREAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CDTFJAA0.125\*; CDTFJLA4.0\*; CDTFJAB0.125\$\$JAC0.141\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A\*, C\* (See Note Preceding MRC CDTF)

CTXF            B            MOUNTING FACILITY THREAD PITCH IN  
MILLIMETERS

Definition: THE DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREADED AXIS OF THE MOUNTING FACILITY, EXPRESSED IN MILLIMETERS.

Reply Instructions: Enter the thread pitch. (e.g., CTXFB1.5\*)

A\*, C\* (See Note Preceding MRC CDTF)

CXNN            D            MOUNTING FACILITY THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD OF THE MOUNTING FACILITY WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CXNNDAAAL\*)

<u>REPLY CODE</u>	<u>REPLY (AA38)</u>
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AAG	LEFT-HAND
AAL	RIGHT-HAND

A\*, C\* (See Note Preceding MRC CDTF)

CDTG            A            MOUNTING FACILITY THREAD QUANTITY PER INCH

Definition: THE NUMBER OF THREADS ON THE MOUNTING FACILITY PER LINEAR INCH MEASURED ON A LINE PARALLEL TO THE THREAD AXIS.

Reply Instructions: Enter the quantity. (e.g., CDTGA10\*)

A\*, B\*

AWKB            D            FOLDING PORTION

Definition: AN INDICATION OF THE PORTION OF THE ITEM THAT FOLDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWKBDBE\*; AWKBDBE\$DBK\*)

<u>REPLY CODE</u>	<u>REPLY (AC42)</u>
BE	ARM
BK	HANDLE

A\*, B\*, D\*

AWKC            D            HANDLE MOUNTING METHOD

Definition: THE MEANS USED TO ATTACH THE HANDLE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., AWKCDAAB\*)

B\*, C, D\*

BTFP            J            HANDLE MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HANDLE MOUNTING HOLE, ANDS TERMINATES AT THE CIRCUMFERENCE.

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Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BTFPJAA1.000\*; BTFPJLA25.0\*; BTFPJAB0.500\$\$JAC0.562\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A\*, B\*, D

ALMP L HANDLE STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HANDLE.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group C. (e.g., ALMPL62\*)

A, B, D

AWKD D HANDLE ROTATING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A HANDLE ROTATING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWKDDB\*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

B, D

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AWKE D HANDLE COUNTERBALANCING WEIGHT

Definition: AN INDICATION OF WHETHER OR NOT A WEIGHT IS INCLUDED TO OFFSET THE WEIGHT OF THE HANDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWKEDB\*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

A, B, D

AWKF D RATCHET

Definition: AN INDICATION OF WHETHER OR NOT A RATCHET IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWKFDB\*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

A\*, B\*, C\*

ABSP D REFERENCE MARKING

Definition: A VISIBLE TRACING OR IMPRESSION, AND THE LIKE, OF ALPHA AND/OR NUMERIC CHARACTERS, SYMBOLS, ETC.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6. (e.g., ABSPDAE\*)

ALL\*

FEAT G SPECIAL FEATURES

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Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP\*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE\*)

ALL\*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321\*;

TESTJA1234A-654321\$\$JB5556A-663654\*;

TESTJAA2345-654321\$JB55566-663654\*)

<u>REPLY CODE</u>	<u>REPLY (AC28)</u>
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- |   |  |
|---|--|
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)   |
| C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)  |

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ALL\*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS\*)

ALL\*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B\*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/\*;

ZZZKJP80205-NAS1103\*;

ZZZKJS81349-MIL-C-1140C/CE/\*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103\*)

REPLY  
CODE

S  
T

REPLY (AN62)

GOVERNMENT SPECIFICATION  
GOVERNMENT STANDARD

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Key	MRC	Mode Code	Requirements
		D	MANUFACTURERS SOURCE CONTROL
		R	MANUFACTURERS SPECIFICATION
		N	MANUFACTURERS SPECIFICATION CONTROL
		M	MANUFACTURERS STANDARD
		B	NATIONAL STANDARD/SPECIFICATION
		A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
		P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL \* (See Note Above)

ZZZT            J            NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1\*; ZZZTJTY1\$JSTA\*; ZZZTJTY1\$JSTA\*)

ALL\*

ZZZW            G            DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL\*)

ALL\*

ZZZX            G            DEPARTURE FROM CITED DESIGNATOR

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Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL\*)

ALL\*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS\*; ZZZYGAS DIFFERENTIATED BY MATERIAL\*)

ALL\*

CRTL A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL\*; CRTLAMATL\$\$ASURF\*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL\* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

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Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS\*; PRPYANPAC\*; PRPYAMATL\$\$ASURF\*)

ALL\*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365\*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL\*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA\*)

REPLY  
CODE

A

REPLY (AN58)

ADDITIONAL DESCRIPTIVE DATA ON MANUAL  
RECORD

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**SECTION III**

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Key MRC Mode Code Requirements

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ALL

AWJN J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS2.500\*; AWJNJA10.2\*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CH	HECTOGRAMS
AJ	KILOGRAMS
AN	OUNCES
AS	POUNDS

ALL

AFJK J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB6.500\*; AFJKJG18.5\*)

<u>REPLY CODE</u>	<u>REPLY (AD42)</u>
B	CUBIC INCHES
G	CUBIC MILLIMETERS

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ALL

ABFF D FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABFFDGJ\*; ABFFDGG\$\$DED\*)

<u>REPLY CODE</u>	<u>REPLY (AB28)</u>
GG	BOLT
JA	COTTER PIN
BB	LOCKNUT
DZ	LOOSE KEY
ED	NUT
HY	NUT, STUD
GM	PIN
HZ	RIVET
GJ	SCREW
JB	WASHER

ALL

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-000-0000\*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A\*)

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000\*; PRMTDAUA000\$\$DAGA000\*; PRMTDAGA000\$DAUA000\*)

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Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
		AUA000	GOLD
		IRA000	IRIDIUM
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

ALL

PMWT            J            PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780\*; PMWTJUA000F0.500\$JAGA000R0.780\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

<u>REPLY CODE</u>	<u>REPLY (AG14)</u>
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC            J            PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

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Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJUAUA000TERMINALS\*; PMLCJUAUA000TERMINALS\$\$JAGA000INTERNAL SURFACES\*; PMLCJAGA000TERMINALS\$JUAUA000INTERNAL SURFACES\*)

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT\*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZVGMANIFOLD, DIESEL ENGINE\*)

ALL

PKQT A INTERMEDIATE PACKAGE QUANTITY

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Key MRC Mode Code Requirements

Definition: THE NUMBER OF WRAPS, BOXES, OR BUNDLES, WHICH CONTAINS TWO OR MORE UNITS OF ISSUE, PLACED INSIDE AN EXTERIOR CONTAINER.

Reply Instructions: Enter the quantity. (e.g., PKQTA24\*)

ALL

EXQT A EXTERIOR CONTAINER QUANTITY

Definition: THE NUMBER OF UNITS OF ISSUE PLACED INSIDE THE EXTERIOR CONTAINER.

Reply Instructions: Enter the quantity. (e.g., EXQTA2\*)

ALL

SUWT J UNIT OF ISSUR WEIGHT

Definition: THE MEASURED WEIGHT OF THE ACTUAL CONTAINER(S) OR SUPPORTING DEVICE(S) WHICH IS IN DIRECT CONTACT WITH THE ITEM AND ITS CONTENTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., SUWTJLB4.50\*; SUWTJKG2.04\*)

<u>REPLY CODE</u>	<u>REPLY (AN75)</u>
KG	KILOGRAMS
LB	POUNDS

ALL

ECWT J EXTERIOR CONTAINER WEIGHT

Definition: THE MEASURED WEIGHT OF THE EXTERIOR CONTAINER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ECWTJLB8.00\*; ECWTJKG3.63\*)

<u>REPLY CODE</u>	<u>REPLY (AN75)</u>
KG	KILOGRAMS
LB	POUNDS

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SECTION I

APP Key	MRC	Mode Code	Requirements
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ALL

SUCB	J	UNIT OF ISSUE CUBE
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Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF THE UNIT OF ISSUE AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., SUCBJCF9.00\*; SUCBJCM1.50\*)

REPLY CODE

CF  
CM

REPLY (AN76)

CUBIC FEET  
CUBIC METERS

ALL

EXME	J	EXTERIOR CONTAINER CUBIC MEASURE
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Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF THE EXTERIOR CONTAINER AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., EXMEJCF12.00\*; EXMEJCM36.75\*)

REPLY CODE

CF  
CM

REPLY (AN76)

CUBIC FEET  
CUBIC METERS

ALL\*

CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
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Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD\*)

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## Reply Tables

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Table 1 - MATERIALS  
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
BSB000	ALUMINA, ACTIVATED
BSA000	ALUMINA CERAMIC
ALC000	ALUMINUM
AL0103	ALUMINUM ALLOY, 3003
AL0000	ALUMINUM ALLOY
AL1448	ALUMINUM ALLOY, AMS 4067
AL0001	ALUMINUM ALLOY, AMS 4102
AL0002	ALUMINUM ALLOY, AMS 4114
AL0003	ALUMINUM ALLOY, AMS 4118
AL0004	ALUMINUM ALLOY, AMS 4119
AL0005	ALUMINUM ALLOY, AMS 4120
AL0006	ALUMINUM ALLOY, AMS 4121
AL0007	ALUMINUM ALLOY, AMS 4122
AL0008	ALUMINUM ALLOY, AMS 4125
AL0009	ALUMINUM ALLOY, AMS 4130
AL0010	ALUMINUM ALLOY, AMS 4132
AL0011	ALUMINUM ALLOY, AMS 4137
AL0012	ALUMINUM ALLOY, AMS 4140
AL0013	ALUMINUM ALLOY, AMS 4142
AL0014	ALUMINUM ALLOY, AMS 4145
AL0015	ALUMINUM ALLOY, AMS 4150
AL0016	ALUMINUM ALLOY, AMS 4155
AL0017	ALUMINUM ALLOY, AMS 4156
AL0018	ALUMINUM ALLOY, AMS 4160
AL0019	ALUMINUM ALLOY, AMS 4161
AL0020	ALUMINUM ALLOY, AMS 4171
AL0477	ALUMINUM ALLOY, AMS 4178
AL0021	ALUMINUM ALLOY, AMS 4182

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AL0022	ALUMINUM ALLOY, AMS 4190
AL1378	ALUMINUM ALLOY, ASTM B26, ALLOY SG70A
AL0464	ALUMINUM ALLOY, MIL-A-12545
AL0024	ALUMINUM ALLOY, MIL-A-12545, ALLOY 1100
AL0025	ALUMINUM ALLOY, MIL-A-12545, ALLOY 2014
AL0095	ALUMINUM ALLOY, MIL-A-12545, ALLOY 6061
AL1446	ALUMINUM ALLOY, MIL-A-17129, CLASS 2 - CANCELED Aluminum Alloy, MIL-R-1150 - Canceled (use Reply Code AL1396) Aluminum Alloy, MIL-R-1150, Grade B - Canceled (use Reply Code AL0103) Aluminum Alloy, MIL-R-1150, Grade E - Canceled (use Reply Code AL1239) Aluminum Alloy, MIL-R-1150, Grade F - Canceled (use Reply Code AL0109)
AL1396	ALUMINUM ALLOY, MIL-R-5674
AL0029	ALUMINUM ALLOY, QQ-A-200/1, ALLOY 3003
AL0030	ALUMINUM ALLOY, QQ-A-200/2, ALLOY 2014
AL0031	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024
AL0202	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T4
AL0032	ALUMINUM ALLOY, QQ-A-200/4, ALLOY 5083
AL0033	ALUMINUM ALLOY, QQ-A-200/5, ALLOY 5086
AL0034	ALUMINUM ALLOY, QQ-A-200/6, ALLOY 5454
AL0035	ALUMINUM ALLOY, QQ-A-200/7, ALLOY 5456
AL0036	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061
AL0037	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6062
AL0221	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6062, T6
AL0038	ALUMINUM ALLOY, QQ-A-200/9, ALLOY 6063
AL0039	ALUMINUM ALLOY, QQ-A-200/10, ALLOY 6066
AL0040	ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075
AL0041	ALUMINUM ALLOY, QQ-A-200/12, ALLOY 7079
AL0042	ALUMINUM ALLOY, QQ-A-200/13, ALLOY 7178
AL0043	ALUMINUM ALLOY, QQ-A-225/1, ALLOY 1100
AL0044	ALUMINUM ALLOY, QQ-A-225/2, ALLOY 3003
AL0269	ALUMINUM ALLOY, QQ-A-225/3, ALLOY 2011, T3
AL0045	ALUMINUM ALLOY, QQ-A-225/4, ALLOY 2014
AL0046	ALUMINUM ALLOY, QQ-A-225/5, ALLOY 2017
AL0130	ALUMINUM ALLOY, QQ-A-225/6
AL0047	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024
AL0280	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T4
AL0048	ALUMINUM ALLOY, QQ-A-225/7, ALLOY 5052
AL0049	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061
AL0293	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T6
AL0887	ALUMINUM ALLOY, QQ-A-225/8, T6
AL0050	ALUMINUM ALLOY, QQ-A-225/9, ALLOY 7075
AL0051	ALUMINUM ALLOY, QQ-A-250/1, ALLOY 1100
AL0053	ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024
AL0945	ALUMINUM ALLOY, QQ-A-250/4, T4
AL0054	ALUMINUM ALLOY, QQ-A-250/6, ALLOY 5083
AL0055	ALUMINUM ALLOY, QQ-A-250/7, ALLOY 5086
AL0056	ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052

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AL0057	ALUMINUM ALLOY, QQ-A-250/9, ALLOY 5456
AL0058	ALUMINUM ALLOY, QQ-A-250/10, ALLOY 5454
AL0059	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061
AL0060	ALUMINUM ALLOY, QQ-A-250/12, ALLOY 7075
AL0061	ALUMINUM ALLOY, QQ-A-250/14, ALLOY 7178
AL0062	ALUMINUM ALLOY, QQ-A-250/17, ALLOY 7079
	Aluminum Alloy, QQ-A-267, Alloy 2024 - Canceled (use Reply Code AL0031)
	Aluminum Alloy, QQ-A-267, Alloy 2024, T4 - Canceled (use Reply Code AL0202)
	Aluminum Alloy, QQ-A-268, ALLOY 2024 - Canceled (use Reply Code AL0047)
	Aluminum Alloy, QQ-A-325, Temper 6 - Canceled (use Reply Code AL0887)
	Aluminum Alloy, QQ-A-355, T4 - Canceled (use Reply Code AL0945)
	Aluminum Alloy, QQ-A-365, Alloy 2011, T3 - Canceled (use Reply Code AL0269)
AL0063	ALUMINUM ALLOY, QQ-A-367, ALLOY 2014
AL0064	ALUMINUM ALLOY, QQ-A-367, ALLOY 2017
AL0065	ALUMINUM ALLOY, QQ-A-367, ALLOY 2018
AL0066	ALUMINUM ALLOY, QQ-A-367, ALLOY 2219
AL0067	ALUMINUM ALLOY, QQ-A-367, ALLOY 2618
AL0068	ALUMINUM ALLOY, QQ-A-367, ALLOY 4032
AL0069	ALUMINUM ALLOY, QQ-A-367, ALLOY 5083
AL0070	ALUMINUM ALLOY, QQ-A-367, ALLOY 6066
AL0071	ALUMINUM ALLOY, QQ-A-367, ALLOY 6151
AL0072	ALUMINUM ALLOY, QQ-A-367, ALLOY 7075
AL0073	ALUMINUM ALLOY, QQ-A-367, ALLOY 7076
AL0074	ALUMINUM ALLOY, QQ-A-367, ALLOY 7079
AL0075	ALUMINUM ALLOY, QQ-A-430, ALLOY 1100
AL0076	ALUMINUM ALLOY, QQ-A-430, ALLOY 2017
AL0077	ALUMINUM ALLOY, QQ-A-430, ALLOY 2024
AL0078	ALUMINUM ALLOY, QQ-A-430, ALLOY 3003
AL0079	ALUMINUM ALLOY, QQ-A-430, ALLOY 5052
AL0080	ALUMINUM ALLOY, QQ-A-430, ALLOY 5056
AL0465	ALUMINUM ALLOY, QQ-A-430, ALLOY 5456
AL0081	ALUMINUM ALLOY, QQ-A-430, ALLOY 6053
AL0082	ALUMINUM ALLOY, QQ-A-430, ALLOY 6061
AL0083	ALUMINUM ALLOY, QQ-A-430, ALLOY 7075
AL0184	ALUMINUM ALLOY, QQ-A-591
AL0593	ALUMINUM ALLOY, QQ-A-601
AL1447	ALUMINUM ALLOY, QQ-A-601, ALLOY 17
AL2376	ALUMINUM ALLOY, QQ-A-601, ALLOY 43
AL1632	ALUMINUM ALLOY, QQ-A-601, ALLOY 108
AL0675	ALUMINUM ALLOY, QQ-A-601, ALLOY 195
AL2407	ALUMINUM ALLOY, QQ-A-601, ALLOY 214, TEMPER F
AL1161	ALUMINUM ALLOY, QQ-A-601, ALLOY 355
AL1445	ALUMINUM ALLOY, QQ-A-601, ALLOY 355, T71
AL1937	ALUMINUM ALLOY, QQ-A-601, ALLOY 356
AL0159	ALUMINUM ALLOY, QQ-A-601, ALLOY 356, TEMPER T4
AL1377	ALUMINUM ALLOY, QQ-A-601, ALLOY 356, T6
AL1444	ALUMINUM ALLOY, QQ-A-601, CLASS 18

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AL1442	ALUMINUM ALLOY, QQ-A-601, COMP 17
AL0084	ALUMINUM ALLOY, QQ-R-566, FS-RA143
AL0161	ALUMINUM ALLOY, QQ_A-601, ALLOY 356, TEMPER T51
AL1481	ALUMINUM ALLOY, WW-T-700/3, ALLOY 2024
AL1733	ALUMINUM ALLOY, WW-T-700/6, ALLOY 6061, T6, TYPE 1
AL0770	ALUMINUM ALLOY, WW-T-700/6, ALLOY 6061, T6, TYPE 2
AL2150	ALUMINUM ALLOY, WW-T-700/6, ALLOY 6062, T6, TYPE 1
AL2433	ALUMINUM ALLOY 17, SPERRY GYROSCOPE
AL0099	ALUMINUM ALLOY, 1100
AL0564	ALUMINUM ALLOY, 2011, T3
AL0100	ALUMINUM ALLOY, 2014
AL0101	ALUMINUM ALLOY, 2017
AL0466	ALUMINUM ALLOY, 2020
AL0102	ALUMINUM ALLOY, 2024
AL0467	ALUMINUM ALLOY, 3001
AL0180	ALUMINUM ALLOY, 5005, H36
AL0468	ALUMINUM ALLOY, 5046
AL0153	ALUMINUM ALLOY, 5052
AL0105	ALUMINUM ALLOY, 5054
AL0106	ALUMINUM ALLOY, 5056
AL0107	ALUMINUM ALLOY, 5083
AL0108	ALUMINUM ALLOY, 5086
AL0469	ALUMINUM ALLOY, 5454
AL0470	ALUMINUM ALLOY, 5456
AL1239	ALUMINUM ALLOY, 6053
AL0109	ALUMINUM ALLOY, 6061
AL0471	ALUMINUM ALLOY, 6062
AL0110	ALUMINUM ALLOY, 6063
AL0111	ALUMINUM ALLOY, 6066
AL0112	ALUMINUM ALLOY, 7075
AL0472	ALUMINUM ALLOY, 7079
AL0473	ALUMINUM ALLOY, 7178
ALA000	ALUMINUM BRONZE Aluminun Alloy, QQ-A-268 - Canceled (use Reply Code AL0130)
ANC000	ANODIZED ALUMINUM
BR0000	BRASS
BR0001	BRASS, AMS 4610
BR0002	BRASS, AMS 4611
BR0003	BRASS, AMS 4612
BR0004	BRASS, AMS 4710
BR0005	BRASS, AMS 4713
BR0334	BRASS, ASTM B16
BR0353	BRASS, MIL-B-994, COMP B, 1/2 HARD, CANCELLED
BR0545	BRASS, MIL-B-17511
BR0007	BRASS, MIL-C-15345, ALLOY 3 Brass, MIL-D-13351 - Canceled (use Reply Code CK0540)
BR0829	BRASS, N, 46-B-23

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	Brass, QQ-B-611, Comp B - Canceled (use Reply Code BR0188)
BR0452	BRASS, QQ-B-611, COMP D - CANCELED
BR0413	BRASS, QQ-B-613, ALLOY 240
BR0414	BRASS, QQ-B-613, ALLOY 260
BR0193	BRASS, QQ-B-613, ALLOY 268
BR0435	BRASS, QQ-B-613, ALLOY 342
BR0436	BRASS, QQ-B-613, ALLOY 353
	Brass, QQ-B-613, Comp 1 (use Reply Code BR0193)
	Brass, QQ-B-613, Comp 2 (use Reply Code BR0414)
	Brass, QQ-B-613, Comp 3 (use Reply Code BR0413)
BR0011	BRASS, QQ-B-613, COMP 11
	Brass, QQ-B-613, Comp 24 (use Reply Code BR0435 OR BR0436)
BR0013	BRASS, QQ-B-621, CLASS A - CANCELED
	Brass, QQ-B-621, Class B - Canceled (use Reply Code CK0958)
BR0015	BRASS, QQ-B-621, CLASS C - CANCELED
BR0177	BRASS, QQ-B-623, COMP 2
BR0185	BRASS, QQ-B-626, ALLOY 268
BR0188	BRASS, QQ-B-626, ALLOY 360
BR0155	BRASS, QQ-B-626, ALLOY 360, 1/2H
BR0189	BRASS, QQ-B-626, ALLOY 377
	Brass, QQ-B-626, Comp 1 (use Reply Code BR0185)
	Brass, QQ-B-626, Comp 21 (use Reply Code BR0189)
	Brass, QQ-B-626, Comp 22 (use Reply Code BR0188)
	Brass, QQ-B-626, Comp 22, 1/2H (use Reply Code BR0155)
BR0070	BRASS, QQ-B-637, ALLOY 462
BR0071	BRASS, QQ-B-637, ALLOY 464
BR0134	BRASS, QQ-B-637, ALLOY 464, HARD
BR0132	BRASS, QQ-B-637, ALLOY 464, SOFT
BR0133	BRASS, QQ-B-637, ALLOY 464, 1/2H
BR0072	BRASS, QQ-B-637, ALLOY 482
BR0073	BRASS, QQ-B-637, ALLOY 485
	Brass, QQ-B-637, Comp 1 (use Reply Code BR0071)
	Brass, QQ-B-637, Comp 2 (use Reply Code BR0072)
	Brass, QQ-B-637, Comp 3 (use Reply Code BR0073)
	Brass, QQ-B-637, Comp 4 (use Reply Code BR0070)
BR0374	BRASS, QQ-B-639, ALLOY 462
BR0375	BRASS, QQ-B-639, ALLOY 464
BR0200	BRASS, QQ-B-639, ALLOY 482
BR0376	BRASS, QQ-B-639, ALLOY 485
	Brass, QQ-B-639, Comp 1 (use Reply Code BR0375)
	Brass, QQ-B-639, Comp 2 (use Reply Code BR0200)
	Brass, QQ-B-639, Comp 3 (use Reply Code BR0376)
	Brass, QQ-B-639, Comp 4 (use Reply Code BR0374)
BR0027	BRASS, QQ-W-321, COMP 4
	Brass, QQ-W-321, Comp 7 (use Reply Code CK0382)
	Brass, QQ-W-321, Comp 8 (use Reply Code CK0379)
BR0030	BRASS, SAE CA240

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BR0031	BRASS, SAE CA260
BR0032	BRASS, SAE CA270
BR0033	BRASS, SAE CA360
BR0034	BRASS, SAE CA464
BR0153	BRASS, SAE 40
BR0035	BRASS, SAE 41
BR0036	BRASS, SAE 70B
BN0000	BRONZE
BNA000	BRONZE ALUMINUM
BM0014	BRONZE ALUMINUM, MIL-B-16033, CLASS 3
BM0015	BRONZE ALUMINUM, MIL-B-16033, CLASS 4
BN0203	BRONZE, AMS 4845
BN0204	BRONZE, AMS 4860
BN0225	BRONZE, AMS 4870
BN0200	BRONZE, AMS 4871
BN0201	BRONZE, AMS 4872
BN0202	BRONZE, AMS 4873
BNJ000	BRONZE, CAST
BM0000	BRONZE MANGANESE
BM0001	BRONZE MANGANESE, AA-B-671, CLASS 4
BM0018	BRONZE MANGANESE, MIL-B-16522, CLASS 1
BM0019	BRONZE MANGANESE, MIL-B-16522, CLASS 2
BM0020	BRONZE MANGANESE, MIL-B-16522, CLASS 3
BM0021	BRONZE MANGANESE, MIL-B-16540, GRADE A
BM0022	BRONZE MANGANESE, MIL-B-16540, GRADE B
BM0023	BRONZE MANGANESE, MIL-B-16540, GRADE C
BM0025	BRONZE MANGANESE, MIL-B-17512
BM0026	BRONZE MANGANESE, MIL-C-15345, ALLOY 1
BM0036	BRONZE MANGANESE, MIL-C-22229, COMP 1
BM0037	BRONZE MANGANESE, MIL-C-22229, COMP 3
BM0038	BRONZE MANGANESE, MIL-C-22229, COMP 6
BM0039	BRONZE MANGANESE, MIL-C-22229, COMP 7
BM0040	BRONZE MANGANESE, MIL-C-22229, COMP 8
BM0041	BRONZE MANGANESE, MIL-C-22229, COMP 9
BM0042	BRONZE MANGANESE, MIL-C-22229, COMP 10
BM0043	BRONZE MANGANESE, MIL-M-16576 - CANCELED
BM0044	BRONZE MANGANESE, QQ-B-671, CLASS 3 - CANCELED
BM0045	BRONZE MANGANESE, QQ-B-675, CLASS 3
BM0046	BRONZE MANGANESE, QQ-B-675, CLASS 4
BM0048	BRONZE MANGANESE, QQ-C-523, ALLOY A
BM0049	BRONZE MANGANESE, QQ-C-523, ALLOY B
BM0050	BRONZE MANGANESE, QQ-C-523, ALLOY C
BM0051	BRONZE MANGANESE, QQ-C-523, ALLOY D
BM0052	BRONZE MANGANESE, QQ-C-523, ALLOY E
BM0053	BRONZE MANGANESE, QQ-C-523, ALLOY F
BM0054	BRONZE MANGANESE, QQ-C-525, COMP 1
BM0055	BRONZE MANGANESE, QQ-C-525, COMP 3

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BM0056	BRONZE MANGANESE, QQ-C-525, COMP 5
BM0057	BRONZE MANGANESE, QQ-C-525, COMP 6
BM0058	BRONZE MANGANESE, QQ-C-525, COMP 6X
BM0059	BRONZE MANGANESE, QQ-C-525, COMP 8
BM0060	BRONZE MANGANESE, QQ-C-525, COMP 9
BM0061	BRONZE MANGANESE, QQ-C-525, COMP 10
BM0062	BRONZE MANGANESE, QQ-C-525, COMP 11
BM0063	BRONZE MANGANESE, QQ-C-525, COMP 12
BM0064	BRONZE MANGANESE, QQ-L-225, Comp 1 - CANCELED
BM0065	BRONZE MANGANESE, QQ-L-225, COMP 2 - CANCELED
BM0066	BRONZE MANGANESE, QQ-L-225, COMP 3 - CANCELED
BM0067	BRONZE MANGANESE, QQ-L-225, COMP 4 - CANCELED
BM0069	BRONZE MANGANESE, QQ-L-225, COMP 6 - CANCELED
BM0070	BRONZE MANGANESE, QQ-L-225, COMP 8 - CANCELED
BM0071	BRONZE MANGANESE, QQ-L-225, COMP 9 - CANCELED
BM0072	BRONZE MANGANESE, QQ-L-225, COMP 10 - CANCELED
BM0073	BRONZE MANGANESE, QQ-L-225, COMP 11 - CANCELED
BM0074	BRONZE MANGANESE, QQ-L-225, COMP 12 - CANCELED
BM0075	BRONZE MANGANESE, QQ-L-225, COMP 13 - CANCELED
BM0076	BRONZE MANGANESE, QQ-L-225, COMP 14 - CANCELED
BM0077	BRONZE MANGANESE, QQ-L-225, COMP 16 - CANCELED
BM0078	BRONZE MANGANESE, QQ-L-525, COMP 13
BM0079	BRONZE MANGANESE, SAE 40
BM0080	BRONZE MANGANESE, SAE 43
BM0081	BRONZE MANGANESE, SAE 62
BM0082	BRONZE MANGANESE, SAE 430A
BM0083	BRONZE MANGANESE, SAE 620
BM0084	BRONZE MANGANESE, SAE 621
BM0085	BRONZE MANGANESE, SAE 660
	Bronze, MIL-B-11553, Comp 1 - Canceled (use Reply Code CK0932)
	Bronze, MIL-B-11553, Comp 5 - Canceled (use Reply Code CK0939)
	Bronze, MIL-B-11553, Comp 6 - Canceled (use Reply Code CK0926)
	Bronze, MIL-B-11553, Comp 8 - Canceled (use Reply Code CK0942)
	Bronze, MIL-B-11553, Comp 12 - Canceled (use Reply Code CK0941)
	Bronze, MIL-B-16261, Grade 2 - Canceled (use Reply Code CK0942)
	Bronze, MIL-B-16261, Grade 6 - Canceled (use Reply Code CK0941)
BN0215	BRONZE, MIL-C-15345, ALLOY 4
BN0216	BRONZE, MIL-C-15345, ALLOY 5
BN0217	BRONZE, MIL-C-15345, ALLOY 6
BN0195	BRONZE, MIL-C-15345, ALLOY 8
BN0196	BRONZE, MIL-C-15345, ALLOY 9
BN0197	BRONZE, MIL-C-15345, ALLOY 10
BN0198	BRONZE, MIL-C-15345, ALLOY 11
BN0199	BRONZE, MIL-C-15345, ALLOY 12
BN0191	BRONZE, MIL-C-15345, ALLOY 13
BN0192	BRONZE, MIL-C-15345, ALLOY 14
BN0219	BRONZE, QQ-B-728, CLASS B

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<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
BN0132	BRONZE, QQ-L-225, Comp 5 - Canceled
BNB000	BRONZE, SILICON
BNC000	BRONZE SILICON MANGANESE
BN0017	BRONZE, VALVE CASTINGS, MIL-B-16541
CU0000	COPPER
CK0000	COPPER ALLOY
CK0540	COPPER ALLOY, MIL-C-13351 - CANCELED
CK0187	COPPER ALLOY, MIL-C-15726, COMP 70-30
CK1025	COPPER ALLOY, N, 46-B-28, CLASS A
CK0087	COPPER ALLOY, QQ-C-390
CK0023	COPPER ALLOY, QQ-C-390, ALLOY B6
CK0958	COPPER ALLOY, QQ-C-390, ALLOY 854
CK0939	COPPER ALLOY, QQ-C-390, ALLOY 903
CK0932	COPPER ALLOY, QQ-C-390, ALLOY 922
CK0926	COPPER ALLOY, QQ-C-390, ALLOY 923
CK0941	COPPER ALLOY, QQ-C-390, ALLOY 932
CK0942	COPPER ALLOY, QQ-C-390, ALLOY 934
CK0382	COPPER ALLOY, QQ-W-321, ALLOY 270
CK0379	COPPER ALLOY, QQ-W-321, ALLOY 274
	Copper, AMS 4730C (use Reply Code NF0182)
	Copper, MIL-B-892 - Canceled (use Reply Code PZ0029)
CU0006	COPPER, MIL-B-19231
CU0007	COPPER, MIL-C-12166
CU0010	COPPER, MIL-N-56025
CU0011	COPPER, MIL-R-5031, COMP 8
CU0012	COPPER, QQ-C-502
CU0013	COPPER, QQ-C-521, GRADE A
CU0014	COPPER, QQ-C-576
CU0015	COPPER, QQ-R-571, CL-FS-RCU-MI
CU0016	COPPER, QQ-R-571, CL-FS-RCU-SI
CU0017	COPPER, QQ-R-571, CL-FS-RCU-2
CU0022	COPPER, QQ-R-571, CL-FS-RCUSN-1
CU0023	COPPER, QQ-R-571, CL-FS-RCUSN-2
CU0024	COPPER, QQ-R-571, CL-FS-RCUZN-1
CU0025	COPPER, QQ-R-571, CL-FS-RCUZN-2
CU0026	COPPER, QQ-R-571, CL-FS-RCUZN-3
CU0019	COPPER, QQ-R-571, CL-FS-RNI
CU0021	COPPER, QQ-R-571, CL-FS-RNICRFE
CU0018	COPPER, QQ-R-571, CL-FS-RNICU
CU0020	COPPER, QQ-R-571, CL-FS-RNICUAI
CU0027	COPPER, SAE CA110
CU0028	COPPER, SAE CA464
CU0029	COPPER, SAE CLASS F
FB0000	FIBER
FE0000	IRON
FE0057	IRON, ASTM A47
FE0140	IRON, ASTM A48, CLASS 40

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REPLY (AD09)

FEA000	IRON, CAST
FEAF00	IRON, CAST, MALLEABLE
FE0001	IRON, CAST, QQ-I-652, CLASS 20
FE0002	IRON, CAST, QQ-I-652, CLASS 25
FEJ000	IRON, GRAY, CAST
FE0074	IRON, MIL-I-11466, CLASS 5
FE0182	IRON, MIL-I-11466, CLASS 6
FE0009	IRON, MIL-I-11695 - CANCELED
FE0089	IRON, QQ-I-652, CLASS 30 - CANCELED
FE0090	IRON, QQ-I-652, CLASS 35
FE0091	IRON, QQ-I-652, CLASS 40
FE0092	IRON, QQ-I-652, CLASS 45
FE0093	IRON, QQ-I-652, CLASS 50
FE0095	IRON, QQ-I-652, CLASS 60
FE0010	IRON, QQ-I-666
FE0160	IRON, QQ-I-666, GRADE 2
FEB000	IRON, WROUGHT
PB0000	LEAD
MG0016	MAGNEISUM, QQ-M-56, HK31A
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
MGD000	MAGNESIUM COPPER
MG0001	MAGNESIUM, QQ-M-31, AZ61A
MG0002	MAGNESIUM, QQ-M-31, AZ80A
MG0003	MAGNESIUM, QQ-M-31, MIA
MG0004	MAGNESIUM, QQ-M-31, ZK60A
MG0005	MAGNESIUM, QQ-M-40, AZ61A
MG0006	MAGNESIUM, QQ-M-40, AZ80A
MG0007	MAGNESIUM, QQ-M-40, MIA
MG0008	MAGNESIUM, QQ-M-40, ZK60A
MG0049	MAGNESIUM, QQ-M-56, AZ63A, T6
MN0000	MANGANESE
MNA000	MANGANESE BRONZE
ME0000	METAL
NFF000	NICKEL ALLOY
NF0182	NICKEL ALLOY, AMS 4730
NC0001	NICKEL COPPER ALLOY, ASTM B127-61
NC0002	NICKEL COPPER ALLOY, ASTM B164-61
NC0022	NICKEL COPPER ALLOY, MIL-N-46026
NC0003	NICKEL-COPPER ALLOY, QQ-N-281, CLASS A
NC0004	NICKEL-COPPER ALLOY, QQ-N-281, CLASS B
	Nickel Copper Alloy, QQ-N-286, Class A (use Reply Code NF0319)
	Nickel Copper Alloy, QQ-N-286, Class B (use Reply Code NF0243)
	Nickel Copper Alloy (use Reply Code NFF000)
NF0319	NICKEL-COPPER-ALUMINUM ALLOY, QQ-N-286, CLASS A
NF0243	NICKEL-COPPER-ALUMINUM ALLOY, QQ-N-286, CLASS B
PZ0000	PHOSPHOR BRONZE

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REPLY  
CODE

REPLY (AD09)

PZ0002	PHOSPHOR BRONZE, MIL-B-13501, COMP B
PZ0029	PHOSPHOR BRONZE, QQ-B-750
PZ0003	PHOSPHOR BRONZE, QQ-B-750, COMP A
PZ0004	PHOSPHOR BRONZE, QQ-B-750, COMP B
PZ0005	PHOSPHOR BRONZE, QQ-B-750, COMP D
PZ0006	PHOSPHOR BRONZE, SAE CA521
PZ0007	PHOSPHOR BRONZE, SAE 791
PZ0008	PHOSPHOR BRONZE, SAE 840
PZ0009	PHOSPHOR BRONZE, SAE 841
PC0000	PLASTIC
PC1554	PLASTIC, ACETAL RESIN 500, E I DUPONT DE NEMOURS AND CO INC
PC1426	PLASTIC, MIL-M-14, TYPE CFG
PC1601	PLASTIC, MIL-M-14, TYPE CFI-20
PC1432	PLASTIC, MIL-P-15035, TYPE FBG
PCAA00	PLASTIC, PHENOL-FORMALDEHYDE
PCW000	PLASTIC, PHENOLIC
PC0031	PLASTIC, PHENOLIC, MIL-M-14, TYPE GPI-100
PCDK00	PLASTIC, POLYMONOCHLOROTRIFLUOROETHYLENE
PCCD00	PLASTIC, POLYSULFONE
RCB000	RUBBER, NATURAL
RCZ000	RUBBER, RECLAIMED
RCC000	RUBBER, SYNTHETIC
ST0000	STEEL
ST3660	STEEL, AMS 5050
ST9505	STEEL, AMS 5053
ST2560	STEEL, AMS 5070
ST1813	STEEL, AMS 5642
	Steel, AMS 5642, Type 1 (use Reply Code ST1813)
	Steel, AMS 5642, Type 2 (use Reply Code ST1813)
ST1917	STEEL, AMS 5643
ST7532	STEEL, AMS 5659
ST1910	STEEL, AMS 6260
ST1911	STEEL, AMS 6320
ST1800	STEEL, AMS 6322
ST1912	STEEL, AMS 6324
ST1873	STEEL, AMS 6330H
ST1913	STEEL, AMS 6342
ST2401	STEEL, AMS 6370
	Steel, AMS 6370 or SAE 4130 (use Reply Code ST2401 or ST6641)
ST1914	STEEL, AMS 6418B
ST1286	STEEL, AMS 7225
ST2934	STEEL, ASTM A107-61T, GRADE 1030 - CANCELED
STA007	STEEL, ASTM A108
ST8941	STEEL, ASTM A108, GRADE 1010
STD794	STEEL, ASTM A108, GRADE 1015
STD818	STEEL, ASTM A108, GRADE 1016
ST7967	STEEL, ASTM A108, GRADE 1018

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REPLY  
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REPLY (AD09)

STD325	STEEL, ASTM A108, GRADE 1020
STD821	STEEL, ASTM A108, GRADE 1022
STD822	STEEL, ASTM A108, GRADE 1025
STD824	STEEL, ASTM A108, GRADE 1035
STD826	STEEL, ASTM A108, GRADE 1040
STD828	STEEL, ASTM A108, GRADE 1045
STD831	STEEL, ASTM A108, GRADE 1050
STD835	STEEL, ASTM A304, GRADE 1335H
STD836	STEEL, ASTM A304, GRADE 1340H
STD839	STEEL, ASTM A304, GRADE 3140H
STD843	STEEL, ASTM A304, GRADE 4037H
STD844	STEEL, ASTM A304, GRADE 4042H
STD845	STEEL, ASTM A304, GRADE 4047H
STD847	STEEL, ASTM A304, GRADE 4130H
STD849	STEEL, ASTM A304, GRADE 4137H
STB998	STEEL, ASTM A304, GRADE 4142H
STD852	STEEL, ASTM A304, GRADE 4145H
STD853	STEEL, ASTM A304, GRADE 4147H
STD854	STEEL, ASTM A304, GRADE 4150H
STD855	STEEL, ASTM A304, GRADE 4340H
STD856	STEEL, ASTM A304, GRADE 4620H
STD857	STEEL, ASTM A304, GRADE 4621H
STD858	STEEL, ASTM A304, GRADE 4815H
STD859	STEEL, ASTM A304, GRADE 4820H
STD861	STEEL, ASTM A304, GRADE 5120H
STD862	STEEL, ASTM A304, GRADE 5130H
STD863	STEEL, ASTM A304, GRADE 5132H
STD864	STEEL, ASTM A304, GRADE 5135H
STD865	STEEL, ASTM A304, GRADE 5140H
STD866	STEEL, ASTM A304, GRADE 5145H
STD867	STEEL, ASTM A304, GRADE 5147H
STD868	STEEL, ASTM A304, GRADE 5160H
STD869	STEEL, ASTM A304, GRADE 6150H
STD872	STEEL, ASTM A304, GRADE 8620H
STD873	STEEL, ASTM A304, GRADE 8622H
STD875	STEEL, ASTM A304, GRADE 8630H
STD877	STEEL, ASTM A304, GRADE 8640H
STD878	STEEL, ASTM A304, GRADE 8645H
STD879	STEEL, ASTM A304, GRADE 8650H
STD880	STEEL, ASTM A304, GRADE 8660H
STD881	STEEL, ASTM A304, GRADE 8720H
STD882	STEEL, ASTM A304, GRADE 8740H
ST1870	STEEL, ASTM A320-63, GR L10
ST1871	STEEL, ASTM A320-63T, GR 19
STD961	STEEL, ASTM A322, GRADE 1335
STD962	STEEL, ASTM A322, GRADE 1340
STD971	STEEL, ASTM A322, GRADE 4023

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REPLY (AD09)

STD975	STEEL, ASTM A322, GRADE 4037
STD977	STEEL, ASTM A322, GRADE 4047
STD981	STEEL, ASTM A322, GRADE 4137
STD983	STEEL, ASTM A322, GRADE 4142
STD984	STEEL, ASTM A322, GRADE 4145
STD985	STEEL, ASTM A322, GRADE 4147
STD986	STEEL, ASTM A322, GRADE 4150
STD988	STEEL, ASTM A322, GRADE 4340
STD989	STEEL, ASTM A322, GRADE 4615
STD990	STEEL, ASTM A322, GRADE 4620
STD991	STEEL, ASTM A322, GRADE 4621
STD992	STEEL, ASTM A322, GRADE 4815
STD993	STEEL, ASTM A322, GRADE 4820
STD994	STEEL, ASTM A322, GRADE 5015
STD996	STEEL, ASTM A322, GRADE 5120
STD997	STEEL, ASTM A322, GRADE 5130
STD998	STEEL, ASTM A322, GRADE 5132
STD999	STEEL, ASTM A322, GRADE 5135
STF001	STEEL, ASTM A322, GRADE 5140
STF002	STEEL, ASTM A322, GRADE 5145
STF003	STEEL, ASTM A322, GRADE 5147
STF005	STEEL, ASTM A322, GRADE 5160
STF006	STEEL, ASTM A322, GRADE 6150
STF007	STEEL, ASTM A322, GRADE 8115
STF008	STEEL, ASTM A322, GRADE 8615
STF009	STEEL, ASTM A322, GRADE 8617
STF010	STEEL, ASTM A322, GRADE 8620
STF011	STEEL, ASTM A322, GRADE 8622
STF014	STEEL, ASTM A322, GRADE 8640
STF016	STEEL, ASTM A322, GRADE 8645
STF018	STEEL, ASTM A322, GRADE 8655
STF020	STEEL, ASTM A322, GRADE 8720
STF023	STEEL, ASTM A322, GRADE 8740
STD890	STEEL, ASTM A331, GRADE 1335
STD891	STEEL, ASTM A331, GRADE 1340
STD900	STEEL, ASTM A331, GRADE 4023
STD904	STEEL, ASTM A331, GRADE 4037
STD906	STEEL, ASTM A331, GRADE 4047
STD909	STEEL, ASTM A331, GRADE 4137
STD911	STEEL, ASTM A331, GRADE 4142
STD912	STEEL, ASTM A331, GRADE 4145
STD913	STEEL, ASTM A331, GRADE 4147
STD914	STEEL, ASTM A331, GRADE 4150
STD916	STEEL, ASTM A331, GRADE 4340
STD917	STEEL, ASTM A331, GRADE 4615
STD918	STEEL, ASTM A331, GRADE 4620
STD919	STEEL, ASTM A331, GRADE 4621

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REPLY  
CODE

REPLY (AD09)

STD920	STEEL, ASTM A331, GRADE 4815
STD921	STEEL, ASTM A331, GRADE 4820
STD922	STEEL, ASTM A331, GRADE 5015
STD924	STEEL, ASTM A331, GRADE 5120
STD925	STEEL, ASTM A331, GRADE 5130
STD926	STEEL, ASTM A331, GRADE 5132
STD927	STEEL, ASTM A331, GRADE 5135
STD928	STEEL, ASTM A331, GRADE 5140
STD929	STEEL, ASTM A331, GRADE 5145
STD930	STEEL, ASTM A331, GRADE 5147
STD932	STEEL, ASTM A331, GRADE 5160
STD933	STEEL, ASTM A331, GRADE 6150
STD935	STEEL, ASTM A331, GRADE 8615
STD936	STEEL, ASTM A331, GRADE 8617
STD937	STEEL, ASTM A331, GRADE 8620
STD938	STEEL, ASTM A331, GRADE 8622
STD941	STEEL, ASTM A331, GRADE 8640
STD943	STEEL, ASTM A331, GRADE 8645
STD945	STEEL, ASTM A331, GRADE 8655
STD947	STEEL, ASTM A331, GRADE 8720
STD949	STEEL, ASTM A331, GRADE 8740
STD788	STEEL, ASTM A512
STC687	STEEL, ASTM A513
STC688	STEEL, ASTM A519
STF361	STEEL, ASTM A575, GRADE 1010
STF363	STEEL, ASTM A575, GRADE 1015
STF365	STEEL, ASTM A575, GRADE 1020
STF367	STEEL, ASTM A575, GRADE 1025
STF369	STEEL, ASTM A576, GRADE 1010
STF371	STEEL, ASTM A576, GRADE 1015
STF372	STEEL, ASTM A576, GRADE 1016
STF374	STEEL, ASTM A576, GRADE 1018
STF375	STEEL, ASTM A576, GRADE 1020
STF377	STEEL, ASTM A576, GRADE 1025
STF380	STEEL, ASTM A576, GRADE 1030
STF381	STEEL, ASTM A576, GRADE 1035
STF385	STEEL, ASTM A576, GRADE 1040
STF388	STEEL, ASTM A576, GRADE 1045
STF392	STEEL, ASTM A576, GRADE 1050
STF395	STEEL, ASTM A576, GRADE 1070
STF398	STEEL, ASTM A576, GRADE 1095
STF519	STEEL, ASTM A582, TYPE 303, COND A
STF436	STEEL, ASTM A582, TYPE 303SE
STF445	STEEL, ASTM A582, TYPE 416
STD786	STEEL, B4A8A, GENERAL ELECTRIC CO
ST0596	STEEL, CARBON, FREE MACHINING
STB000	STEEL, CORROSION RESISTING

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	Steel, FED STD 66, AISI B1112, 1212/SAE1112 (use Reply Code ST6991 or ST6150 or ST6135)
	Steel, FED STD 66, AISI B1113, 1213/SAE1113 (use Reply Code ST6992 or ST6151 or ST6136)
ST1355	STEEL, FED STD 66, AISI/SAE E4337H Steel, Fed Std 66, AISI/SAE E4340 (use Reply Code ST6208) Steel, Fed Std 66, AISI/SAE E4340H (use Reply Code ST6209) Steel, Fed Std 66, AISI/SAE 1006 (use Reply Code ST6051) Steel, Fed Std 66, AISI/SAE 1008 (use Reply Code ST6054) Steel, Fed Std 66, AISI/SAE 1010 (use Reply Code ST3548) Steel, Fed Std 66, AISI/SAE 1012 (use Reply Code ST6061) Steel, Fed Std 66, AISI/SAE 1015 (use Reply Code ST6064) Steel, Fed Std 66, AISI/SAE 1016 (use Reply Code ST6068) Steel, Fed Std 66, AISI/SAE 1018 (use Reply Code ST6071) Steel, Fed Std 66, AISI/SAE 1019 (use Reply Code ST6072) Steel, Fed Std 66, AISI/SAE 1020 (use Reply Code ST6073) Steel, Fed Std 66, AISI/SAE 1022 (use Reply Code ST6078) Steel, Fed Std 66, AISI/SAE 1025 (use Reply Code ST6082) Steel, Fed Std 66, AISI/SAE 1030 (use Reply Code ST6086) Steel, Fed Std 66, AISI/SAE 1035 (use Reply Code ST6091) Steel, Fed Std 66, AISI/SAE 1040 (use Reply Code ST6096) Steel, Fed Std 66, AISI/SAE 1045 (use Reply Code ST6102) Steel, Fed Std 66, AISI/SAE 1050 (use Reply Code ST6106) Steel, Fed Std 66, AISI/SAE 1070 (use Reply Code ST6119) Steel, Fed Std 66, AISI/SAE 1095 (use Reply Code ST6130)
ST1725	STEEL, FED STD 66, AISI/SAE 1115 Steel, Fed Std 66, AISI/SAE 1117 (use Reply Code ST6138) Steel, Fed Std 66, AISI/SAE 1118 (use Reply Code ST6139)
ST1309	STEEL, FED STD 66, AISI/SAE 1120 Steel, Fed Std 66, AISI/SAE 1137 (use Reply Code ST6142) Steel, Fed Std 66, AISI/SAE 1141 (use Reply Code ST6145) Steel, Fed Std 66, AISI/SAE 1144 (use Reply Code ST6146) Steel, Fed Std 66, AISI/SAE 1330 (use Reply Code ST6155) Steel, Fed Std 66, AISI/SAE 1330H (use Reply Code ST6156) Steel, Fed Std 66, AISI/SAE 1335 (use Reply Code ST6157) Steel, Fed Std 66, AISI/SAE 1335H (use Reply Code ST6158) Steel, Fed Std 66, AISI/SAE 1340 (use Reply Code ST6159) Steel, Fed Std 66, AISI/SAE 1340H (use Reply Code ST6160) Steel, Fed Std 66, AISI/SAE 1345 (use Reply Code ST6161) Steel, Fed Std 66, AISI/SAE 3140 (use Reply Code ST6163) Steel, Fed Std 66, AISI/SAE 3140H (use Reply Code ST6164)
ST1953	STEEL, FED STD 66, AISI/SAE 3310 Steel, Fed Std 66, AISI/SAE 3310H (use Reply Code ST6166) Steel, Fed Std 66, AISI/SAE 4023 (use Reply Code ST6168) Steel, Fed Std 66, AISI/SAE 4027 (use Reply Code ST6170) Steel, Fed Std 66, AISI/SAE 4027H (use Reply Code ST6171)
ST1934	STEEL, FED STD 66, AISI/SAE 4032

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REPLY (AD09)

ST1935

STEEL, FED STD 66, AISI/SAE 4032H  
Steel, Fed Std 66, AISI/SAE 4037 (use Reply Code ST6174)  
Steel, Fed Std 66, AISI/SAE 4037H (use Reply Code ST6175)  
Steel, Fed Std 66, AISI/SAE 4042 (use Reply Code ST6176)  
Steel, Fed Std 66, AISI/SAE 4047 (use Reply Code ST6178)  
Steel, Fed Std 66, AISI/SAE 4047H (use Reply Code ST6179)

ST1936

STEEL, FED STD 66, AISI/SAE 4053

ST1937

STEEL, FED STD 66, AISI/SAE 4053H  
Steel, Fed Std 66, AISI/SAE 4063 (use Reply Code ST6180)  
Steel, Fed Std 66, AISI/SAE 4063H (use Reply Code ST6181)  
Steel, Fed Std 66, AISI/SAE 4130 (use Reply Code ST6184)  
Steel, Fed Std 66, AISI/SAE 4130H (use Reply Code ST6185)  
Steel, Fed STD 66, AISI/SAE 4135 (use Reply Code ST6186)

ST1338

STEEL, FED STD 66, AISI/SAE 4135H  
Steel, Fed Std 66, AISI/SAE 4137H (use Reply Code ST6189)  
Steel, Fed Std 66, AISI/SAE 4140 (use Reply Code ST6190)  
Steel, Fed Std 66, AISI/SAE 4140H (use Reply Code ST6191)  
Steel, Fed Std 66, AISI/SAE 4142 (use Reply Code ST6192)  
Steel, Fed Std 66, AISI/SAE 4142H (use Reply Code ST6193)  
Steel, Fed Std 66, AISI/SAE 4145 (use Reply Code ST6194)  
Steel, Fed Std 66, AISI/SAE 4145H (use Reply Code ST6195)  
Steel, Fed Std 66, AISI/SAE 4147 (use Reply Code ST6196)  
Steel, Fed Std 66, AISI/SAE 4147H (use Reply Code ST6197)  
Steel, Fed Std 66, AISI/SAE 4150 (use Reply Code ST6198)  
Steel, Fed Std 66, AISI/SAE 4150H (use Reply Code ST6199)  
Steel, Fed Std 66, AISI/SAE 4320 (use Reply Code ST6202)  
Steel, Fed Std 66, AISI/SAE 4320H (use Reply Code ST6203)  
Steel, Fed Std 66, AISI/SAE 4337 (use Reply Code ST8903)

ST1354

STEEL, FED STD 66, AISI/SAE 4337H  
Steel, Fed Std 66, AISI/SAE 4340 (use Reply Code ST6206)  
Steel, Fed Std 66, AISI/SAE 4340H (use Reply Code ST6207)  
Steel, Fed Std 66, AISI/SAE 4615 (use Reply Code ST6216)  
Steel, Fed Std 66, AISI/SAE 4620 (use Reply Code ST6218)  
Steel, Fed Std 66, AISI/SAE 4620H (use Reply Code ST6219)  
Steel, Fed Std 66, AISI/SAE 4621 (use Reply Code ST6220)  
Steel, Fed Std 66, AISI/SAE 4621H (use Reply Code ST6221)  
Steel, Fed Std 66, AISI/SAE 4815 (use Reply Code ST6228)  
Steel, Fed Std 66, AISI/SAE 4815H (use Reply Code ST6229)  
Steel, Fed Std 66, AISI/SAE 4820 (use Reply Code ST6232)  
Steel, Fed Std 66, AISI/SAE 4820H (use Reply Code ST6233)  
Steel, Fed Std 66, AISI/SAE 5015 (use Reply Code ST6235)  
Steel, Fed Std 66, AISI/SAE 5120 (use Reply Code ST6239)  
Steel, Fed Std 66, AISI/SAE 5120H (use Reply Code ST6240)  
Steel, Fed Std 66, AISI/SAE 5130 (use Reply Code ST6241)  
Steel, Fed Std 66, AISI/SAE 5130H (use Reply Code ST6242)  
Steel, Fed Std 66, AISI/SAE 5132 (use Reply Code ST6243)  
Steel, Fed Std 66, AISI/SAE 5132H (use Reply Code ST6244)

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	Steel, Fed Std 66, AISI/SAE 5135 (use Reply Code ST6245)
	Steel, Fed Std 66, AISI/SAE 5135H (use Reply Code ST6246)
	Steel, Fed Std 66, AISI/SAE 5140 (use Reply Code ST6247)
	Steel, Fed Std 66, AISI/SAE 5140H (use Reply Code ST6248)
	Steel, Fed Std 66, AISI/SAE 5145 (use Reply Code ST6249)
	Steel, Fed Std 66, AISI/SAE 5145H (use Reply Code ST6250)
	Steel, Fed Std 66, AISI/SAE 5147 (use Reply Code ST6251)
	Steel, Fed Std 66, AISI/SAE 5147H (use Reply Code ST6252)
	Steel, Fed Std 66, AISI/SAE 5160 (use Reply Code ST6257)
	Steel, Fed Std 66, AISI/SAE 5160H (use Reply Code ST6258)
	Steel, Fed Std 66, AISI/SAE 6120 (use Reply Code ST6263)
	Steel, Fed Std 66, AISI/SAE 6120H (use Reply Code ST6264)
ST1989	STEEL, FED STD 66, AISI/SAE 6145
ST1990	STEEL, FED STD 66, AISI/SAE 6145H
	Steel, Fed Std 66, AISI/SAE 6150 (use Reply Code ST6265)
	Steel, Fed Std 66, AISI/SAE 6150H (use Reply Code ST6266)
	Steel, Fed Std 66, AISI/SAE 8115 (use Reply Code ST6267)
	Steel, Fed Std 66, AISI/SAE 8615 (use Reply Code ST6268)
	Steel, Fed Std 66, AISI/SAE 8617 (use Reply Code ST6269)
	Steel, Fed Std 66, AISI/SAE 8617H (use Reply Code ST6270)
	Steel, Fed Std 66, AISI/SAE 8620 (use Reply Code ST6271)
	Steel, Fed Std 66, AISI/SAE 8620H (use Reply Code ST6272)
	Steel, Fed Std 66, AISI/SAE 8622 (use Reply Code ST6273)
	Steel, Fed Std 66, AISI/SAE 8622H (use Reply Code ST6274)
	Steel, Fed Std 66, AISI/SAE 8630 (use Reply Code ST6279)
	Steel, Fed Std 66, AISI/SAE 8630H (use Reply Code ST6280)
ST1965	STEEL, FED STD 66, AISI/SAE 8635
ST1966	STEEL, FED STD 66, AISI/SAE 8635H
	Steel, Fed Std 66, AISI/SAE 8637 (use Reply Code ST6281)
	Steel, Fed Std 66, AISI/SAE 8637H (use Reply Code ST6282)
	Steel, Fed Std 66, AISI/SAE 8640 (use Reply Code ST6283)
	Steel, Fed Std 66, AISI/SAE 8640H (use Reply Code ST6284)
ST1969	STEEL, FED STD 66, AISI/SAE 8641
ST1970	STEEL, FED STD 66, AISI/SAE 8641H
	Steel, Fed Std 66, AISI/SAE 8642 (use Reply Code ST6285)
	Steel, Fed Std 66, AISI/SAE 8642H (use Reply Code ST6286)
	Steel, Fed Std 66, AISI/SAE 8645 (use Reply Code ST6287)
	Steel, Fed Std 66, AISI/SAE 8645H (use Reply Code ST6288)
	Steel, Fed Std 66, AISI/SAE 8650 (use Reply Code ST6289)
ST1404	STEEL, FED STD 66, AISI/SAE 8650H
ST1971	STEEL, FED STD 66, AISI/SAE 8653
ST1972	STEEL, FED STD 66, AISI/SAE 8653H
	Steel, Fed Std 66, AISI/SAE 8655 (use Reply Code ST6291)
	Steel, Fed Std 66, AISI/SAE 8655H (use Reply Code ST6292)
	Steel, Fed Std 66, AISI/SAE 8660 (use Reply Code ST8904)
ST1408	STEEL, FED STD 66, AISI/SAE 8660H
	Steel, Fed Std 66, AISI/SAE 8720 (use Reply Code ST6294)

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REPLY (AD09)

	Steel, Fed Std 66, AISI/SAE 8720H (use Reply Code ST6295)
	Steel, Fed Std 66, AISI/SAE 8735 (use Reply Code ST6296)
	Steel, Fed Std 66, AISI/SAE 8740H (use Reply Code ST6298)
	Steel, Fed Std 66, AISI/SAE 8742 (use Reply Code ST6299)
ST1414	STEEL, FED STD 66, AISI/SAE 8742H
ST1973	STEEL, FED STD 66, AISI/SAE 8750
ST1974	STEEL, FED STD 66, AISI/SAE 8750H
ST1415	STEEL, FED STD 66, AISI/SAE 9310
ST1416	STEEL, FED STD 66, AISI/SAE 9310H
	Steel, Fed Std 66, AISI/SAE 9840 (use Reply Code ST6308)
ST1418	STEEL, FED STD 66, AISI/SAE 9840H
	Steel, Fed Std 66, AISI TS8115 (use Reply Code ST6936)
	Steel, Fed Std 66, AISI TS8120 (use Reply Code ST6937)
	Steel, Fed Std 66, AISI TS8122 (use Reply Code ST6938)
	Steel, Fed Std 66, AISI TS8122H (use Reply Code ST6939)
	Steel, Fed Std 66, AISI TS8125 (use Reply Code ST6940)
	Steel, Fed Std 66, AISI TS8127 (use Reply Code ST6941)
	Steel, Fed Std 66, AISI TS8615 (use Reply Code ST6942)
	Steel, Fed Std 66, AISI TS8617 (use Reply Code ST6943)
	Steel, Fed Std 66, AISI TS8617H (use Reply Code ST6944)
	Steel, Fed Std 66, AISI TS8622 (use Reply Code ST6945)
ST1985	STEEL, FED STD 66, AISI TS8622H
	Steel, Fed Std 66, AISI 301/SAE 30301 (use Reply Code ST3281)
	Steel, Fed Std 66, AISI 302/SAE 30302 (use Reply Code ST1817)
	Steel, Fed Std 66, AISI 303/SAE 30303 (use Reply Code ST1818)
	Steel, Fed Std 66, AISI 303SE/SAE 30303SE (use Reply Code ST3282)
	Steel, Fed Std 66, AISI 304/SAE 30304 (use Reply Code ST2526)
	Steel, Fed Std 66, AISI 304L/SAE 30304L (use Reply Code ST3283)
	Steel, Fed Std 66, AISI 305/SAE 30305 (use Reply Code ST2516)
	Steel, Fed Std 66, AISI 308/SAE 30308 (use Reply Code ST6037)
	Steel, Fed Std 66, AISI 309/SAE 30309 (use Reply Code ST3284)
	Steel, Fed Std 66, AISI 309S/SAE 30309S (use Reply Code ST6038)
	Steel, Fed Std 66, AISI 310/SAE 30310 (use Reply Code ST3285)
	Steel, Fed Std 66, AISI 310S/SAE 30310S (use Reply Code ST6039)
	Steel, Fed Std 66, AISI 314/SAE 30314 (use Reply Code ST6040)
	Steel, Fed Std 66, AISI 316/SAE 30316 (use Reply Code ST3286)
	Steel, Fed Std 66, AISI 316L/SAE 30316L (use Reply Code ST6041)
	Steel, Fed Std 66, AISI 317/SAE 30317 (use Reply Code ST3287)
	Steel, Fed Std 66, AISI 321/SAE 30321 (use Reply Code ST1819)
	Steel, Fed Std 66, AISI 347/SAE 30347 (use Reply Code ST1820)
	Steel, Fed Std 66, AISI 348/SAE 30348 (use Reply Code ST3288)
	Steel, Fed Std 66, AISI 403/SAE 51403 (use Reply Code ST3289)
	Steel, Fed Std 66, AISI 405/SAE 51405 (use Reply Code ST3290)
	Steel, Fed Std 66, AISI 410/SAE 51410 (use Reply Code ST3291)
	Steel, Fed Std 66, AISI 414/SAE 51414 (use Reply Code ST3292)
	Steel, Fed Std 66, AISI 416/SAE 51416 (use Reply Code ST3293)
	Steel, Fed Std 66, AISI 416SE/SAE 51416SE (use Reply Code ST3294)

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	Steel, Fed Std 66, AISI 420/SAE 51420 (use Reply Code ST3295)
	Steel, Fed Std 66, AISI 430/SAE 51430 (use Reply Code ST1733)
	Steel, Fed Std 66, AISI 431/SAE 51431 (use Reply Code ST3296)
	Steel, Fed Std 66, AISI 440A/SAE 51440A (use Reply Code ST3297)
	Steel, Fed Std 66, AISI 440C/SAE 51440C (use Reply Code ST3298)
ST2000	STEEL, FED STD 66, AISI 442/SAE 51442
	Steel, Fed Std 66, AISI 446/SAE 51446 (use Reply Code ST3299)
	Steel, Fed Std 66, AISI 1005 (use Reply Code ST6050)
	Steel, Fed Std 66, AISI 1011 (use Reply Code ST6060)
	Steel, Fed Std 66, AISI 1013 (use Reply Code ST6063)
	Steel, Fed Std 66, AISI 1211/SAE 1111 (use Reply Code ST6950 or ST6134)
	Steel, Fed Std 66, AISI 6117 (use Reply Code ST6947)
ST6991	STEEL, FED STD 66, COMP B1112
ST6992	STEEL, FED STD 66, COMP B1113
ST1704	STEEL, FED STD 66, COMP C1025
ST1705	STEEL, FED STD 66, COMP C1030
ST1706	STEEL, FED STD 66, COMP C1040
	Steel, Fed Std 66, COMP C1115 (use Reply Code ST6948)
	Steel, Fed Std 66, COMP C1211 (use Reply Code ST6950)
	Steel, Fed Std 66, COMP C1212 (use Reply Code ST6150)
	Steel, Fed Std 66, COMP C1213 (use Reply Code ST6151)
ST6956	STEEL, FED STD 66, COMP E2517
ST6209	STEEL, FED STD 66, COMP E4340H
ST6208	STEEL, FED STD 66, COMP E4340
ST6067	STEEL, FED STD 66, COMP MTX1015
ST6076	STEEL, FED STD 66, COMP MTX1020
ST6989	STEEL, FED STD 66, COMP MT1010
ST6066	STEEL, FED STD 66, COMP MT1015
ST6075	STEEL, FED STD 66, COMP MT1020
ST6936	STEEL, FED STD 66, COMP TS8115
ST6937	STEEL, FED STD 66, COMP TS8120
ST6938	STEEL, FED STD 66, COMP TS8122
ST6939	STEEL, FED STD 66, COMP TS8122H
ST6940	STEEL, FED STD 66, COMP TS8125
ST6941	STEEL, FED STD 66, COMP TS8127
ST6942	STEEL, FED STD 66, COMP TS8615
ST6943	STEEL, FED STD 66, COMP TS8617
ST6944	STEEL, FED STD 66, COMP TS8617H
ST6945	STEEL, FED STD 66, COMP TS8622
ST3281	STEEL, FED STD 66, COMP 301
ST1817	STEEL, FED STD 66, COMP 302
ST1818	STEEL, FED STD 66, COMP 303
ST3282	STEEL, FED STD 66, COMP 303SE
ST2526	STEEL, FED STD 66, COMP 304
ST3283	STEEL, FED STD 66, COMP 304L
ST2516	STEEL, FED STD 66, COMP 305
ST6037	STEEL, FED STD 66, COMP 308

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ST3284	STEEL, FED STD 66, COMP 309
ST6038	STEEL, FED STD 66, COMP 309S
ST3285	STEEL, FED STD 66, COMP 310
ST6039	STEEL, FED STD 66, COMP 310S
ST6040	STEEL, FED STD 66, COMP 314
ST3286	STEEL, FED STD 66, COMP 316
ST6041	STEEL, FED STD 66, COMP 316L
ST3287	STEEL, FED STD 66, COMP 317
ST1819	STEEL, FED STD 66, COMP 321
ST1820	STEEL, FED STD 66, COMP 347
ST3288	STEEL, FED STD 66, COMP 348
ST3289	STEEL, FED STD 66, COMP 403
ST3290	STEEL, FED STD 66, COMP 405
ST3291	STEEL, FED STD 66, COMP 410
ST3292	STEEL, FED STD 66, COMP 414
ST3293	STEEL, FED STD 66, COMP 416
ST3294	STEEL, FED STD 66, COMP 416SE
ST3295	STEEL, FED STD 66, COMP 420
ST1733	STEEL, FED STD 66, COMP 430
ST3296	STEEL, FED STD 66, COMP 431
ST3297	STEEL, FED STD 66, COMP 440A
ST3298	STEEL, FED STD 66, COMP 440C
ST3299	STEEL, FED STD 66, COMP 446
ST6050	STEEL, FED STD 66, COMP 1005
ST6051	STEEL, FED STD 66, COMP 1006
ST6054	STEEL, FED STD 66, COMP 1008
ST3548	STEEL, FED STD 66, COMP 1010
ST6060	STEEL, FED STD 66, COMP 1011
ST6061	STEEL, FED STD 66, COMP 1012
ST6063	STEEL, FED STD 66, COMP 1013
ST6064	STEEL, FED STD 66, COMP 1015
ST6068	STEEL, FED STD 66, COMP 1016
ST6069	STEEL, FED STD 66, COMP 1017
ST6071	STEEL, FED STD 66, COMP 1018
ST6072	STEEL, FED STD 66, COMP 1019
ST6073	STEEL, FED STD 66, COMP 1020
ST6078	STEEL, FED STD 66, COMP 1022
ST6082	STEEL, FED STD 66, COMP 1025
ST6086	STEEL, FED STD 66, COMP 1030
ST6091	STEEL, FED STD 66, COMP 1035
ST6096	STEEL, FED STD 66, COMP 1040
ST6102	STEEL, FED STD 66, COMP 1045
ST6106	STEEL, FED STD 66, COMP 1050
ST6119	STEEL, FED STD 66, COMP 1070
ST6130	STEEL, FED STD 66, COMP 1095
ST6132	STEEL, FED STD 66, COMP 1109
ST6134	STEEL, FED STD 66, COMP 1111

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ST6135	STEEL, FED STD 66, COMP 1112
ST6136	STEEL, FED STD 66, COMP 1113
ST6948	STEEL, FED STD 66, COMP 1115
ST6138	STEEL, FED STD 66, COMP 1117
ST6139	STEEL, FED STD 66, COMP 1118
ST6949	STEEL, FED STD 66, COMP 1120
ST6142	STEEL, FED STD 66, COMP 1137
ST6145	STEEL, FED STD 66, COMP 1141
ST6146	STEEL, FED STD 66, COMP 1144
ST6950	STEEL, FED STD 66, COMP 1211
ST6150	STEEL, FED STD 66, COMP 1212
ST6151	STEEL, FED STD 66, COMP 1213
ST6951	STEEL, FED STD 66, COMP 1320
ST6155	STEEL, FED STD 66, COMP 1330
ST6156	STEEL, FED STD 66, COMP 1330H
ST6157	STEEL, FED STD 66, COMP 1335
ST6158	STEEL, FED STD 66, COMP 1335H
ST6159	STEEL, FED STD 66, COMP 1340
ST6160	STEEL, FED STD 66, COMP 1340H
ST6161	STEEL, FED STD 66, COMP 1345
ST6953	STEEL, FED STD 66, COMP 2317
ST6954	STEEL, FED STD 66, COMP 2515
ST6957	STEEL, FED STD 66, COMP 2517
ST6958	STEEL, FED STD 66, COMP 3120
ST6960	STEEL, FED STD 66, COMP 3130
ST6962	STEEL, FED STD 66, COMP 3135
ST6163	STEEL, FED STD 66, COMP 3140
ST6164	STEEL, FED STD 66, COMP 3140H
ST6166	STEEL, FED STD 66, COMP 3310H
ST6964	STEEL, FED STD 66, COMP 3316
ST6168	STEEL, FED STD 66, COMP 4023
ST6170	STEEL, FED STD 66, COMP 4027
ST6171	STEEL, FED STD 66, COMP 4027H
ST6174	STEEL, FED STD 66, COMP 4037
ST6175	STEEL, FED STD 66, COMP 4037H
ST6176	STEEL, FED STD 66, COMP 4042
ST6178	STEEL, FED STD 66, COMP 4047
ST6179	STEEL, FED STD 66, COMP 4047H
ST6180	STEEL, FED STD 66, COMP 4063
ST6181	STEEL, FED STD 66, COMP 4063H
ST6966	STEEL, FED STD 66, COMP 4068
ST6184	STEEL, FED STD 66, COMP 4130
ST6185	STEEL, FED STD 66, COMP 4130H
ST6186	STEEL, FED STD 66, COMP 4135
ST6188	STEEL, FED STD 66, COMP 4137
ST6189	STEEL, FED STD 66, COMP 4137H
ST6190	STEEL, FED STD 66, COMP 4140

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REPLY (AD09)

ST6191	STEEL, FED STD 66, COMP 4140H
ST6192	STEEL, FED STD 66, COMP 4142
ST6193	STEEL, FED STD 66, COMP 4142H
ST6194	STEEL, FED STD 66, COMP 4145
ST6195	STEEL, FED STD 66, COMP 4145H
ST6196	STEEL, FED STD 66, COMP 4147
ST6197	STEEL, FED STD 66, COMP 4147H
ST6198	STEEL, FED STD 66, COMP 4150
ST6199	STEEL, FED STD 66, COMP 4150H
ST6202	STEEL, FED STD 66, COMP 4320
ST6203	STEEL, FED STD 66, COMP 4320H
ST8903	STEEL, FED STD 66, COMP 4337
ST6206	STEEL, FED STD 66, COMP 4340
ST6207	STEEL, FED STD 66, COMP 4340H
ST6968	STEEL, FED STD 66, COMP 4608
ST6216	STEEL, FED STD 66, COMP 4615
ST6218	STEEL, FED STD 66, COMP 4620
ST6219	STEEL, FED STD 66, COMP 4620H
ST6220	STEEL, FED STD 66, COMP 4621
ST6221	STEEL, FED STD 66, COMP 4621H
ST6969	STEEL, FED STD 66, COMP 4640
ST6946	STEEL, FED STD 66, COMP 4812
ST6228	STEEL, FED STD 66, COMP 4815
ST6229	STEEL, FED STD 66, COMP 4815H
ST6232	STEEL, FED STD 66, COMP 4820
ST6233	STEEL, FED STD 66, COMP 4820H
ST6235	STEEL, FED STD 66, COMP 5015
ST6238	STEEL, FED STD 66, COMP 5115
ST6972	STEEL, FED STD 66, COMP 5117
ST6239	STEEL, FED STD 66, COMP 5120
ST6240	STEEL, FED STD 66, COMP 5120H
ST6241	STEEL, FED STD 66, COMP 5130
ST6242	STEEL, FED STD 66, COMP 5130H
ST6243	STEEL, FED STD 66, COMP 5132
ST6244	STEEL, FED STD 66, COMP 5132H
ST6245	STEEL, FED STD 66, COMP 5135
ST6246	STEEL, FED STD 66, COMP 5135H
ST6247	STEEL, FED STD 66, COMP 5140
ST6248	STEEL, FED STD 66, COMP 5140H
ST6249	STEEL, FED STD 66, COMP 5145
ST6250	STEEL, FED STD 66, COMP 5145H
ST6251	STEEL, FED STD 66, COMP 5147
ST6252	STEEL, FED STD 66, COMP 5147H
ST6257	STEEL, FED STD 66, COMP 5160
ST6258	STEEL, FED STD 66, COMP 5160H
ST6947	STEEL, FED STD 66, COMP 6117
ST6263	STEEL, FED STD 66, COMP 6120

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ST6264	STEEL, FED STD 66, COMP 6120H
ST6265	STEEL, FED STD 66, COMP 6150
ST6266	STEEL, FED STD 66, COMP 6150H
ST6267	STEEL, FED STD 66, COMP 8115
ST6268	STEEL, FED STD 66, COMP 8615
ST6269	STEEL, FED STD 66, COMP 8617
ST6270	STEEL, FED STD 66, COMP 8617H
ST6271	STEEL, FED STD 66, COMP 8620
ST6272	STEEL, FED STD 66, COMP 8620H
ST6273	STEEL, FED STD 66, COMP 8622
ST6274	STEEL, FED STD 66, COMP 8622H
ST6279	STEEL, FED STD 66, COMP 8630
ST6280	STEEL, FED STD 66, COMP 8630H
ST6281	STEEL, FED STD 66, COMP 8637
ST6282	STEEL, FED STD 66, COMP 8637H
ST6283	STEEL, FED STD 66, COMP 8640
ST6284	STEEL, FED STD 66, COMP 8640H
ST6285	STEEL, FED STD 66, COMP 8642
ST6286	STEEL, FED STD 66, COMP 8642H
ST6287	STEEL, FED STD 66, COMP 8645
ST6288	STEEL, FED STD 66, COMP 8645H
ST6289	STEEL, FED STD 66, COMP 8650
ST6291	STEEL, FED STD 66, COMP 8655
ST6292	STEEL, FED STD 66, COMP 8655H
ST8904	STEEL, FED STD 66, COMP 8660
ST6294	STEEL, FED STD 66, COMP 8720
ST6295	STEEL, FED STD 66, COMP 8720H
ST6296	STEEL, FED STD 66, COMP 8735
ST6298	STEEL, FED STD 66, COMP 8740H
ST6299	STEEL, FED STD 66, COMP 8742
ST6308	STEEL, FED STD 66, COMP 9840
ST6974	STEEL, FED STD 66, COMP 51420F
	Steel, Fed Std 66, SAE E2517 (use Reply Code ST6956)
	Steel, Fed Std 66, SAE 1320 (use Reply Code ST6951)
ST1941	STEEL, FED STD 66, SAE 1320H
	Steel, Fed Std 66, SAE 2317 (use Reply Code ST6953)
	Steel, Fed Std 66, SAE 2515 (use Reply Code ST6954)
ST1944	STEEL, FED STD 66, SAE 2515H
	Steel, Fed Std 66, SAE 2517 (use Reply Code ST6957)
	Steel, Fed Std 66, SAE 3120 (use Reply Code ST6958)
ST1948	STEEL, FED STD 66, SAE 3120H
	Steel, Fed Std 66, SAE 3130 (use Reply Code ST6960)
ST1950	STEEL, FED STD 66, SAE 3130H
	Steel, Fed Std 66, SAE 3135 (use Reply Code ST6962)
ST1952	STEEL, FED STD 66, SAE 3135H
	Steel, Fed Std 66, SAE 3316 (use Reply Code ST6964)
ST1955	STEEL, FED STD 66, SAE 3316H

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REPLY (AD09)

ST1939	Steel, Fed Std 66, SAE 4068 (use Reply Code ST6966) STEEL, FED STD 66, SAE 4068H
ST1959	Steel, Fed Std 66, SAE 4608 (use Reply Code ST6968) Steel, Fed Std 66, SAE 4640 (use Reply Code ST6969) STEEL, FED STD 66, SAE 4640H
ST2832	Steel, Fed Std 66, SAE 4812 (use Reply Code ST6946) Steel, Fed Std 66, SAE 5115 (use Reply Code ST6238) Steel, Fed Std 66, SAE 5117 (use Reply Code ST6972) Steel, Fed Std 66, SAE 6117 (use Reply Code ST6947) STEEL, FED STD 66, SAE 51416F Steel, Fed Std 66, SAE 51420F (use Reply Code ST6974) Steel, Fed Ste 66, AISI/SAE 4137 (use Reply Code ST6188)
ST0595	STEEL, HIGH CARBON
ST0593	STEEL, LOW CARBON
ST0594	STEEL, MEDIUM CARBON
ST1923	Steel, MIL-S-862, Class 3 (use Reply Code ST3896) STEEL, MIL-S-862, CLASS 5 Steel, MIL-S-862, Class 6 (use Reply Code ST3898 or ST3899) Steel, MIL-S-862, Class 10 (use Reply Code ST3904) Steel, MIL-S-862, Class 11 (use Reply Code ST3888)
ST3888	STEEL, MIL-S-862, CLASS 310
ST3896	STEEL, MIL-S-862, CLASS 410
ST3898	STEEL, MIL-S-862, CLASS 416
ST3899	STEEL, MIL-S-862, CLASS 416SE
ST3904	STEEL, MIL-S-862, CLASS 431
ST1734	STEEL, MIL-S-866
ST1874	STEEL, MIL-S-866, CLASS 3115
ST1891	STEEL, MIL-S-866, CLASS 4615
ST2030	STEEL, MIL-S-869, CLASS B
ST1894	STEEL, MIL-S-5000
ST1639	STEEL, MIL-S-5059, TYPE 301
ST1895	STEEL, MIL-S-6049
ST1896	STEEL, MIL-S-6050
ST1897	STEEL, MIL-S-6098
ST2424	STEEL, MIL-S-6758, COND D4
ST1898	STEEL, MIL-S-6758, SAE 4130
ST1892	STEEL, MIL-S-7108
ST1875	STEEL, MIL-S-7393, COMP 1
ST1876	STEEL, MIL-S-7393, COMP 2
ST1893	STEEL, MIL-S-7493, COMP 4620
ST1640	STEEL, MIL-S-7720, COMP 302
ST1641	STEEL, MIL-S-7720, COMP 303S
ST1642	STEEL, MIL-S-7720, COMP 303SE
ST1643	STEEL, MIL-S-7720, COMP 316
ST1702	STEEL, MIL-S-7952, COMP 1025
ST1899	STEEL, MIL-S-8503
ST1426	STEEL, MIL-S-8559

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ST1900	STEEL, MIL-S-8690
ST1866	STEEL, MIL-S-10520, COMP WDSS-1
ST1703	STEEL, MIL-S-10520, WDSS-2
ST1678	STEEL, MIL-S-11310, COMP CS1007
ST1428	STEEL, MIL-S-11310, COMP CS1008
ST1429	STEEL, MIL-S-11310, COMP CS1010
ST1430	STEEL, MIL-S-11310, COMP CS1012
ST1431	STEEL, MIL-S-11310, COMP CS1018
ST1679	STEEL, MIL-S-11310, COMP CS1020
ST1680	STEEL, MIL-S-11310, COMP CS1022
ST1432	STEEL, MIL-S-11310, COMP CS1025
ST1433	STEEL, MIL-S-11310, COMP CS1030
ST1434	STEEL, MIL-S-11310, COMP CS1040
ST1885	STEEL, MIL-S-11595, COMP 4150
ST1886	STEEL, MIL-S-12504
ST1861	STEEL, MIL-S-12504, COMP WD1070
ST1708	STEEL, MIL-S-15083, CLASS CW
ST1707	STEEL, MIL-S-15083, COMP A70
ST2209	STEEL, MIL-S-15083, GRADE B
ST1887	STEEL, MIL-S-15464, CLASS A
ST1888	STEEL, MIL-S-15464, CLASS 2
ST1889	STEEL, MIL-S-15464, CLASS 3
ST8744	STEEL, MIL-S-16113, GRADE M
ST1862	STEEL, MIL-S-16410-CANCELED
ST1681	STEEL, MIL-S-16788, CLASS C1
ST1682	STEEL, MIL-S-16788, CLASS C2
ST1709	STEEL, MIL-S-16788, CLASS C4
ST1711	STEEL, MIL-S-16788, CLASS C5
ST1863	STEEL, MIL-S-16788, COMP C1095
ST1712	STEEL, MIL-S-16900-CANCELED
ST1683	STEEL, MIL-S-16974, GRADE 1010
ST1684	STEEL, MIL-S-16974, GRADE 1022
ST1713	STEEL, MIL-S-16974, GRADE 1030
ST1715	STEEL, MIL-S-16974, GRADE 1050
ST1864	STEEL, MIL-S-16974, GRADE 1095
ST1867	STEEL, MIL-S-16974, GRADE 1320
ST1868	STEEL, MIL-S-16974, GRADE 1330
ST1869	STEEL, MIL-S-16974, GRADE 1340
ST1877	STEEL, MIL-S-16974, GRADE 3130
ST1878	STEEL, MIL-S-16974, GRADE 3140
ST1879	STEEL, MIL-S-16974, GRADE 4130
ST1880	STEEL, MIL-S-16974, GRADE 4130H
ST1881	STEEL, MIL-S-16974, GRADE 4135
ST1882	STEEL, MIL-S-16974, GRADE 4140
ST1901	STEEL, MIL-S-16974, GRADE 4340
ST1883	STEEL, MIL-S-16974, GRADE 4640
ST1884	STEEL, MIL-S-16974, GRADE 4640H

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REPLY (AD09)

ST1902	STEEL, MIL-S-16974, GRADE 6145
ST1903	STEEL, MIL-S-16974, GRADE 8615
ST1904	STEEL, MIL-S-16974, GRADE 8620
ST1905	STEEL, MIL-S-16974, GRADE 8622
ST1906	STEEL, MIL-S-16974, GRADE 8630
ST1907	STEEL, MIL-S-16974, GRADE 8635
ST1908	STEEL, MIL-S-16974, GRADE 8640
ST1909	STEEL, MIL-S-16974, GRADE 8645
ST1890	STEEL, MIL-S-18410, CLASS B
ST1644	STEEL, MIL-S-18732
ST1716	STEEL, MIL-S-19434, CLASS 1
ST1717	STEEL, MIL-S-20137
ST1685	STEEL, MIL-S-20145-CANCELED
ST1872	STEEL, MIL-S-20145, GRADE T-CANCELED
ST1686	STEEL, MIL-S-20166, GRADE HT
ST8287	STEEL, MIL-S-20166, TYPE P, GRADE M
STC048	STEEL, MIL-S-22216, COMP IC-302
STC049	STEEL, MIL-S-22216, COMP IC-304
STD787	STEEL, MIL-S-24093, CLASS H, TYPE 5
ST7077	STEEL, MIL-T-8506, TYPE 1
ST8743	STEEL, MIL-W-52263, CLASS 303, COND A-CANCELED
ST7679	STEEL, MIL-W-52263, CLASS 303SE, COND A-CANCELED
ST1444	STEEL, QQ-S-624, COMP E3310-CANCELED
ST1699	STEEL, QQ-S-624, COMP FS3140-CANCELED
	Steel, QQ-S-624, Comp FS3140H-Canceled (use Reply Code STD839)
	Steel, QQ-S-624, Comp 1335-Canceled (use Reply Code STD961 or STD890)
	Steel, QQ-S-624, Comp 1335H-Canceled (use Reply Code STD835)
	Steel, QQ-S-624, Comp 1340-Canceled (use Reply Code STD962 or STD891)
	Steel, QQ-S-624, Comp 1340H-Canceled (use Reply Code STD836)
ST1445	STEEL, QQ-S-624, COMP 3310H-CANCELED
	Steel, QQ-S-624, Comp 4023-Canceled (use Reply Code STD971 or STD900)
	Steel, QQ-S-624, Comp 4037-Canceled (use Reply Codes STD975 or STD904)
	Steel, QQ-S-624, Comp 4037H-Canceled (use Reply Code STD843)
ST1451	STEEL, QQ-S-624, COMP 4042-CANCELED
	Steel, QQ-S-624, Comp 4042H-Canceled (use Reply Code STD844)
	Steel, QQ-S-624, Comp 4047-Canceled (use Reply Code STD977 or STD906)
	Steel, QQ-S-624, Comp 4047H-Canceled (use Reply Code STD845)
ST1456	STEEL, QQ-S-624, COMP 4063-CANCELED
ST1457	STEEL, QQ-S-624, COMP 4063H-CANCELED
ST1458	STEEL, QQ-S-624, COMP 4130-CANCELED
	Steel, QQ-S-624, Comp 4130H-Canceled (use Reply Code STD847)
	Steel, QQ-S-624, Comp 4137-Canceled (use Reply Code STD981 or STD909)
	Steel, QQ-S-624, Comp 4137H-Canceled (use Reply Code STD849)
	Steel, QQ-S-624, Comp 4142-Canceled (use Reply Code STD983 or STD911)
	Steel, QQ-S-624, Comp 4142H-Canceled (use Reply Code STB998)
	Steel, QQ-S-624, Comp 4145-Canceled (use Reply Code STD984 or STD912)
	Steel, QQ-S-624, Comp 4145H-Canceled (use Reply Code STD852)

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REPLY  
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Steel, QQ-S-624, Comp 4147-Canceled (use Reply Code STD985 or STD913)  
Steel, QQ-S-624, Comp 4147H-Canceled (use Reply Code STD853)  
Steel, QQ-S-624, Comp 4150-Canceled (use Reply Code STD986 or STD914)  
Steel, QQ-S-624, Comp 4150H-Canceled (use Reply Code STD854)  
Steel, QQ-S-624, Comp 4340-Canceled (use Reply Code STD988 or STD916)  
Steel, QQ-S-624, Comp 4340H-Canceled (use Reply Code STD855)  
Steel, QQ-S-624, Comp 4615-Canceled (use Reply Code STD989 or STD917)  
Steel, QQ-S-624, Comp 4620-Canceled (use Reply Code STD990 or STD918)  
Steel, QQ-S-624, Comp 4620H-Canceled (use Reply Code STD856)  
Steel, QQ-S-624, Comp 4621-Canceled (use Reply Code STD991 or STD919)  
Steel, QQ-S-624, Comp 4621H-Canceled (use Reply Code STD857)  
Steel, QQ-S-624, Comp 4815-Canceled (use Reply Code STD992 or STD920)  
Steel, QQ-S-624, Comp 4815H-Canceled (use Reply Code STD858)  
Steel, QQ-S-624, Comp 4820-Canceled (use Reply Code STD993 or STD921)  
Steel, QQ-S-624, Comp 4820H-Canceled (use Reply Code STD859)  
Steel, QQ-S-624, Comp 5015-Canceled (use Reply Code STD994 or STD922)  
Steel, QQ-S-624, Comp 5120-Canceled (use Reply Code STD996 or STD924)  
Steel, QQ-S-624, Comp 5120H-Canceled (use Reply Code STD861)  
Steel, QQ-S-624, Comp 5130-Canceled (use Reply Code STD997 or STD925)  
Steel, QQ-S-624, Comp 5130H-Canceled (use Reply Code STD862)  
Steel, QQ-S-624, Comp 5132-Canceled (use Reply Code STD998 or STD926)  
Steel, QQ-S-624, Comp 5132H-Canceled (use Reply Code STD863)  
Steel, QQ-S-624, Comp 5135-Canceled (use Reply Code STD999 or STD927)  
Steel, QQ-S-624, Comp 5135H-Canceled (use Reply Code STD864)  
Steel, QQ-S-624, Comp 5140-Canceled (use Reply Code STF001 or STD928)  
Steel, QQ-S-624, Comp 5140H-Canceled (use Reply Code STD865)  
Steel, QQ-S-624, Comp 5145-Canceled (use Reply Code STF002 or STD929)  
Steel, QQ-S-624, Comp 5145H-Canceled (use Reply Code STD866)  
Steel, QQ-S-624, Comp 5147-Canceled (use Reply Code STF003 or STD930)  
Steel, QQ-S-624, Comp 5147H-Canceled (use Reply Code STD867)  
Steel, QQ-S-624, Comp 5160-Canceled (use Reply Code STF005 or STD932)  
Steel, QQ-S-624, Comp 5160H-Canceled (use Reply Code STD868)  
Steel, QQ-S-624, Comp 6150-Canceled (use Reply Code STF006 or STD933)  
Steel, QQ-S-624, Comp 6150H-Canceled (use Reply Code STD869)  
Steel, QQ-S-624, Comp 8115-Canceled (use Reply Code STF007)  
Steel, QQ-S-624, Comp 8522H-Canceled (use Reply Code STD873)  
Steel, QQ-S-624, Comp 8615-Canceled (use Reply Code STF008 or STD935)  
Steel, QQ-S-624, Comp 8617-Canceled (use Reply Code STF009 or STD936)  
Steel, QQ-S-624, Comp 8620-Canceled (use Reply Code STF010 or STD937)  
Steel, QQ-S-624, Comp 8620H-Canceled (use Reply Code STD872)  
Steel, QQ-S-624, Comp 8622-Canceled (use Reply Code STF011 or STD938)  
ST1515 STEEL, QQ-S-624, COMP 8630-CANCELED  
Steel, QQ-S-624, Comp 8630H-Canceled (use Reply Code STD875)  
Steel, QQ-S-624, Comp 8640-Canceled (use Reply Code STF014 or STD941)  
Steel, QQ-S-624, Comp 8640H-Canceled (use Reply Code STD877)  
Steel, QQ-S-624, Comp 8645-Canceled (use Reply Code STF016 or STD943)  
Steel, QQ-S-624, Comp 8645H-Canceled (use Reply Code STD878)

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ST1523 STEEL, QQ-S-624, COMP 8650-CANCELED  
Steel, QQ-S-624, Comp 8650H-Canceled (use Reply Code STD879)  
Steel, QQ-S-624, Comp 8655-Canceled (use Reply Code STF018 or STD945)

ST1853 STEEL, QQ-S-624, COMP 8660-CANCELED  
Steel, QQ-S-624, Comp 8660H-Canceled (use Reply Code STD880)  
Steel, QQ-S-624, Comp 8720-Canceled (use Reply Code STF020 or STD947)  
Steel, QQ-S-624, Comp 8720H-Canceled (use Reply Code STD881)  
Steel, QQ-S-624, Comp 8740-Canceled (use Reply Code STF023 or STD949)  
Steel, QQ-S-624, Comp 8740H-Canceled (use Reply Code STD882)

ST1527 STEEL, QQ-S-624, COMP 9840-CANCELED

ST1529 STEEL, QQ-S-624, COMP 9850-CANCELED

ST2791 STEEL, QQ-S-627, COMP 4130-CANCELED  
Steel, QQ-S-630, Comp 1010-Canceled (use Reply Code STF361)  
Steel, QQ-S-630, Comp 1015-Canceled (use Reply Code STF363)  
Steel, QQ-S-630, Comp 1020-Canceled (use Reply Code STF365)  
Steel, QQ-S-630, Comp 1025-Canceled (use Reply Code STF367)  
Steel, QQ-S-631, Comp 1010-Canceled (use Reply Code STF369)  
Steel, QQ-S-631, Comp 1015-Canceled (use Reply Code STF371)  
Steel, QQ-S-631, Comp 1016-Canceled (use Reply Code STF372)  
Steel, QQ-S-631, Comp 1018-Canceled (use Reply Code STF374)  
Steel, QQ-S-631, Comp 1020-Canceled (use Reply Code STF375)  
Steel, QQ-S-631, Comp 1025-Canceled (use Reply Code STF377)  
Steel, QQ-S-631, Comp 1030-Canceled (use Reply Code STF380)  
Steel, QQ-S-631, Comp 1035-Canceled (use Reply Code STF381)  
Steel, QQ-S-631, Comp 1040-Canceled (use Reply Code STF385)  
Steel, QQ-S-631, Comp 1045-Canceled (use Reply Code STF388)  
Steel, QQ-S-631, Comp 1050-Canceled (use Reply Code STF392)  
Steel, QQ-S-631, Comp 1095-Canceled (use Reply Code STF398)

ST1848 STEEL, QQ-S-633, COMP C1111-CANCELED

ST1849 STEEL, QQ-S-633, COMP C1112-CANCELED

ST1850 STEEL, QQ-S-633, COMP C1113 -CANCELED

ST1851 STEEL, QQ-S-633, COMP C1120-CANCELED  
Steel, QQ-S-633, Comp 1070-Canceled (use Reply Code STF395)  
Steel, QQ-S-634-Canceled (use Reply Code STA007)  
Steel, QQ-S-634, Comp 1010-Canceled (use Reply Code ST8941)  
Steel, QQ-S-634, Comp 1015-Canceled (use Reply Code STD794)  
Steel, QQ-S-634, Comp 1016-Canceled (use Reply Code STD818)  
Steel, QQ-S-634, Comp 1018-Canceled (use Reply Code ST7967)

ST1696 STEEL, QQ-S-634, COMP 1019-CANCELED  
Steel, QQ-S-634, Comp 1020-Canceled (use Reply Code STD325)  
Steel, QQ-S-634, Comp 1022-Canceled (use Reply Code STD821)  
Steel, QQ-S-634, Comp 1025-Canceled (use Reply Code STD822)  
Steel, QQ-S-634, Comp 1035-Canceled (use Reply Code STD824)  
Steel, QQ-S-634, Comp 1040-Canceled (use Reply Code STD826)  
Steel, QQ-S-634, Comp 1045-Canceled (use Reply Code STD828)  
Steel, QQ-S-634, Comp 1050-Canceled (use Reply Code STD831)

ST0942 STEEL, QQ-S-635, COMP 1020

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REPLY (AD09)

ST1719	STEEL, QQ-S-635, COMP 1040
ST4059	STEEL, QQ-S-635, SAE 1020
ST2219	STEEL, QQ-S-637, B1113A
ST2334	STEEL, QQ-S-637, COMP B1112
ST1555	STEEL, QQ-S-637, COMP 1117
ST1556	STEEL, QQ-S-637, COMP 1118
ST1557	STEEL, QQ-S-637, COMP 1137
ST2765	STEEL, QQ-S-681
ST3206	STEEL, QQ-S-681, CLASS 1
ST3736	STEEL, QQ-S-681, CLASS 2
ST1720	STEEL, QQ-S-681, CLASS 65-35
ST2132	STEEL, QQ-S-681, CLASS 90-60
ST1721	STEEL, QQ-S-691, CLASS A-CANCELED
ST1722	STEEL, QQ-S-691, CLASS-B-CANCELED
ST1723	STEEL, QQ-S-691, CLASS C-CANCELED
ST0977	STEEL, QQ-S-698
ST0949	STEEL, QQ-S-698, COMP 1018
ST3824	STEEL, QQ-S-700
ST2766	STEEL, QQ-S-741
ST3151	STEEL, QQ-S-741, TYPE 2
ST1645	STEEL, QQ-S-763, CLASS 301
ST1646	STEEL, QQ-S-763, CLASS 302
ST1647	STEEL, QQ-S-763, CLASS 303
ST1778	STEEL, QQ-S-763, CLASS 303, COND A
ST1648	STEEL, QQ-S-763, CLASS 303SE
ST1649	STEEL, QQ-S-763, CLASS 304
ST1650	STEEL, QQ-S-763, CLASS 304L
ST1651	STEEL, QQ-S-763, CLASS 305
ST1652	STEEL, QQ-S-763, CLASS 309
ST1653	STEEL, QQ-S-763, CLASS 310
ST1654	STEEL, QQ-S-763, CLASS 316
ST1655	STEEL, QQ-S-763, CLASS 317
ST1656	STEEL, QQ-S-763, CLASS 321
ST1657	STEEL, QQ-S-763, CLASS 347
ST1658	STEEL, QQ-S-763, CLASS 403
ST1659	STEEL, QQ-S-763, CLASS 405
ST1660	STEEL, QQ-S-763, CLASS 410
ST1661	STEEL, QQ-S-763, CLASS 414
ST1662	STEEL, QQ-S-763, CLASS 416
ST1663	STEEL, QQ-S-763, CLASS 416SE
ST1665	STEEL, QQ-S-763, CLASS 430
ST1667	STEEL, QQ-S-763, CLASS 440A
ST1668	STEEL, QQ-S-763, CLASS 440C
	Steel, QQ-S-764, Type 303, Cond A-Canceled (use Reply Code STF519)
	Steel, QQ-S-764, Type 303SE-Canceled (use Reply Code STF436)
	Steel, QQ-S-764, Type 416, Cond A-Canceled (use Reply Code STF445)
ST2624	STEEL, QQ-S-777-CANCELED

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ST1664	STEEL, QQ-S_763, CLASS 420
ST1666	STEEL, QQ-S_763, CLASS 431
ST1844	STEEL, QQ-W-405, COMP 4608-CANCELED
ST1845	STEEL, QQ-W-405, COMP 4615-CANCELED
ST1566	STEEL, QQ-W-405, COMP 5120H-CANCELED
ST1568	STEEL, QQ-W-405, COMP 5130-CANCELED
ST1569	STEEL, QQ-W-405, COMP 5130H-CANCELED
ST1570	STEEL, QQ-W-405, COMP 5132-CANCELED
ST1571	STEEL, QQ-W-405, COMP 5132H-CANCELED
ST1572	STEEL, QQ-W-405, COMP 5135-CANCELED
ST1573	STEEL, QQ-W-405, COMP 5135H-CANCELED
ST1574	STEEL, QQ-W-405, COMP 5140-CANCELED
ST1575	STEEL, QQ-W-405, COMP 5140H-CANCELED
ST1687	STEEL, QQ-W-409, COMP C1010-CANCELED
ST1688	STEEL, QQ-W-409, COMP C1012-CANCELED
ST1689	STEEL, QQ-W-409, COMP C1013-CANCELED
ST1690	STEEL, QQ-W-409, COMP C1015-CANCELED
ST1691	STEEL, QQ-W-409, COMP C1016-CANCELED
ST1692	STEEL, QQ-W-409, COMP C1018-CANCELED
ST1693	STEEL, QQ-W-461, COMP C1010
ST1694	STEEL, QQ-W-461, COMP C1015
	Steel, SAE 1008 (use Reply Code ST6557)
ST6557	STEEL, SAE 1008
ST6015	STEEL, SAE 1020
ST6565	STEEL, SAE 1021
ST6566	STEEL, SAE 1022
ST6567	STEEL, SAE 1023
ST5096	STEEL, SAE 1024
ST6568	STEEL, SAE 1025
ST5097	STEEL, SAE 1026
ST6569	STEEL, SAE 1027
STB666	STEEL, SAE 1028
ST6570	STEEL, SAE 1029
ST6571	STEEL, SAE 1030
ST6641	STEEL, SAE 4130
STD000	STEEL, STAINLESS STEEL, WW-P-404 (use Reply Code ST9627)
ST9627	STEEL, WW-P-404 STEEL TUBING, MIL-T-8506, TYPE 1 (use reply Code ST7077)
ST3599	STEEL, 17-4PH,ARMCO STEEL CO
	ST1329 STEEL, FED STD 66, AISI/SAE 4042H
	ST1714 STEEL, MIL-S-16974, GRADE 1040
TB0000	TIN-BRASS
TB0001	TIN-BRASS, ALLOY 425, COPPER DEVELOPMENT ASSN
TT0000	TITANIUM ALLOY
TT0001	TITANIUM ALLOY, AMS 4900
TT0002	TITANIUM ALLOY, AMS 4901
TT0003	TITANIUM ALLOY, AMS 4902
TT0004	TITANIUM ALLOY, AMS 4921

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<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
TT0005	TITANIUM ALLOY, AMS 4925
TT0006	TITANIUM ALLOY, AMS 4941
TT0007	TITANIUM ALLOY, MIL-T-9047, CLASS 1
TT0008	TITANIUM ALLOY, MIL-T-9047, CLASS 1
TT0041	TITANIUM, MIL-T-9047, TYPE 2 COMP D
MEG000	WHITE METAL
WD0000	WOOD
WDA000	WOOD, MAPLE
ZN0000	ZINC
ZNL000	ZINC ALLOY

Table 2 - SURFACE TREATMENTS  
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
	Aluminum Coated (use Reply Code ALC000)
AN0000	ANODIZED
AN0002	ANODIZED, MIL-A-8625
AN0003	ANODIZED, MIL-A-8625, TYPE 1
AN0004	ANODIZED, MIL-A-8625, TYPE 2
AN0007	ANODIZED, MIL-A-8625, TYPE 2, CLASS 1
AN0035	ANODIZED, MIL-F-14072, FINISH E511
	Black Nickel (use Reply Code NF0000)
	Black Oxide, MIL-C-13924, Class 1 (use Reply Code XX0047)
	Black Oxide, MIL-C-13924, Class 2 (use Reply Code XX0048)
	Black Oxide, MIL-C-13924, Class 3 (use Reply Code XX0060)
	Black Oxide, MIL-F-495 (use Reply Code XX0073)
	Black Oxide (use Reply Code XX0000)
BL0000	BLUED
BR0000	BRASS
BN0000	BRONZE
CD0000	CADMIUM
CD0001	CADMIUM, AMS 2400
CD0002	CADMIUM, AMS 2416
CD0021	CADMIUM, AN-P-61
CD0003	CADMIUM, NAS 672
CD0004	CADMIUM, QQ-P-416, TYPE 1, CLASS 1
CD0005	CADMIUM, QQ-P-416, TYPE 1, CLASS 2
CD0006	CADMIUM, QQ-P-416, TYPE 1, CLASS 3
CD0007	CADMIUM, QQ-P-416, TYPE 2, CLASS 1
CD0008	CADMIUM, QQ-P-416, TYPE 2, CLASS 2
CD0009	CADMIUM, QQ-P-416, TYPE 2, CLASS 3
CD0010	CADMIUM, QQ-P-416, TYPE 3, CLASS 1
CD0011	CADMIUM, QQ-P-416, TYPE 3, CLASS 2
CD0012	CADMIUM, QQ-P-416, TYPE 3, CLASS 3
CD0225	CADMIUM, QQ-P-421

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<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
CL0000	CHEMICAL
CL0029	CHEMICAL FILM, 03-030-02, SPERRY GYROSCOPE
CL0030	CHEMICAL FILM, 87-021-02, SPERRY GYROSCOPE
CN0000	CHROMATE
CNN000	CHROMATE, ALKALINE
CH0000	CHROME
CH0001	CHROME, MIL-F-14072 Chrome Plated (use Reply Code CH0000)
CR0000	CHROMIUM
FN0065	COATING, TT-C-490, TYPE 3
CU0000	COPPER
CUE000	COPPER OXIDE
DC0000	DICHROMATE
DCA000	DICHROMATE BLACK
EN0000	ENAMEL
ENE000	ENAMEL, BAKED Enamel, Black (use Reply Code EN0000)
EN0080	ENAMEL, MIL-E-16663
EN0087	ENAMEL, MIL-E-46061 Enamel, Olive Drab, TT-E-529 (use Reply Code EN0019)
EN0020	ENAMEL, TT-E-527
EN0019	ENAMEL, TT-E-529
FN0076	FINISH, A, 51-70-1A,21.01 CLASS TSC
FN0077	FINISH, A, 51-70-1A,21.11 CLASS RSC
AU0000	GOLD
AUB000	GOLD PLATE OVER SILVER PLATE
MM0000	IMMUNIZED
MMA000	IMMUNIZED W/BLACK DIP
JA0000	JAPAN
LQ0000	LACQUER
LQ0007	LACQUER, MIL-L-7178
PB0000	LEAD
PBG000	LEAD-TIN
NF0000	NICKEL
NF0003	NICKEL-CADMIUM, AMS 2416
NFB000	NICKEL, CHROMATE TREATED
NF0047	NICKEL, MIL-F-14072
NFG000	NICKEL PLATED
NFD000	NICKEL PLATED - BLACK OXIDE
NF0024	NICKEL, QQ-N-290
NF0023	NICKEL, QQ-N-290, CLASS 2, TYPE 6
NFAN00	NICKEL W/CHROMATE
XX0000	OXIDE
XX0002	OXIDE FILM, MIL-C-5541
XX0047	OXIDE, MIL-C-13924, CLASS 1
XX0048	OXIDE, MIL-C-13924, CLASS 2
XX0060	OXIDE, MIL-C-13924, CLASS 3
XX0073	OXIDE, MIL-F-495

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<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
PNG000	PAINT Paint, Black (use Reply Code PNG000)
PN0192	PAINT, E-23, SPERRY GYROSCOPE
PN0013	PAINT, PRIMER, TT-P-636
PN0193	PAINT, SI 37700, SECTION 28, GENERAL ELECTRIC CO Painted (use Reply Code PNG000)
PS0000	PASSIVATED
PS0008	PASSIVATED, MIL-F-14072, FINISH E300
PS0009	PASSIVATED, MIL-STD-171, FINISH NO. 5.4.1
PS0007	PASSIVATED, QQ-P-35
PSC000	PASSIVATED W/BLACK OXIDE
PS0543	PASSIVATED, 580-0244-00, COLLINS RADIO CO.
PE0000	PENETRATE
PEA000	PENETRATE BLACK
PH0000	PHOSPHATE
PH0021	PHOSPHATE, AMS 2480
PHB000	PHOSPHATE BLACK
PH0037	PHOSPHATE, MIL-C-16232, TYPE Z-CANCELED
PH0001	PHOSPHATE, MIL-C-16232, TYPE 2-CANCELED
PC2434	PLASTIC, MIL-P-20689, TYPE 2, CLASS 1
PCAF00	PLASTIC, POLYPROPYLENE
PCAK00	PLASTIC, POLYVINYL CHLORIDE Primer, MIL-P-8585-Canceled (use Reply Code FN0036)
FN0054	PRIMER, MIL-P-15328
FN0029	PRIMER, TT-P-636
FN0038	PRIMER, TT-P-664
FN0036	PRIMER, ZINC-CHROMATE, TT-P-1757
RH0000	RHODIUM
RC0000	RUBBER
RCA000	RUBBER COATED
AG0000	SILVER
AG0001	SILVER, AMS 2410
AGA000	SILVER NICKEL
AGE000	SILVER PLATED
AG0012	SILVER PLATED, QQ-S-365
AG0003	SILVER, QQ-S-365, TYPE 2
SN0000	TIN
SN0001	TIN, AMS 2408.2
SN0002	TIN PLATED, MIL-T-10727, TYPE 1
SN0003	TIN PLATED, MIL-T-10727, TYPE 2
SNE000	TIN W/ENAMEL
UN0000	UNCOATED
VAB000	VARNISH
ZN0000	ZINC
ZN0047	ZINC, AN-P-32
ZNA000	ZINC CHROMATE
ZNAP00	ZINC, CHROMATE TREATED
ZNB000	ZINC COATED W/PAINT

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<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ZNC000	ZINC, DICHROMATE TREATED
ZN0001	ZINC, QQ-Z-325, TYPE 1, CLASS 1
ZN0002	ZINC, QQ-Z-325, TYPE 1, CLASS 2
ZN0003	ZINC, QQ-Z-325, TYPE 1, CLASS 3
ZN0004	ZINC, QQ-Z-325, TYPE 2, CLASS 1
ZN0005	ZINC, QQ-Z-325, TYPE 2, CLASS 2
ZN0006	ZINC, QQ-Z-325, TYPE 2, CLASS 3
ZN0007	ZINC, QQ-Z-325, TYPE 3, CLASS 1
ZN0008	ZINC, QQ-Z-325, TYPE 3, CLASS 2
ZN0009	ZINC, QQ-Z-325, TYPE 3, CLASS 3
ZNJ000	ZINC W/BLACK POST PLATE FINISH
ZNR000	ZINC W/PHOSPHATE

Table 3 - COLORS

COLORS

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
BL0000	BLACK
BL0033	BLACK, FED STD 595, 37038
BU0000	BLUE
BU0086	BLUE, FED STD 595, 15045
BR0000	BROWN
GY0000	GRAY
GR0000	GREEN
MA0000	MAROON
NA0000	NATURAL
LD0000	OLIVE DRAB
RG0000	ORANGE
PK0000	PINK
RE0000	RED
RE0001	RED, FED STD 595, 11136
WH0000	WHITE
YE0000	YELLOW

Table 4 - THREAD SERIES

THREAD SERIES

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
AM	ACME
SM	ISO M
SS	ISO S
SJ #	SI
UN	UN
NC	UNC
NE	UNEF
NF	UNF

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<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
NJ	UNJ
JC	UNJC
JE	UNJEF
JF	UNJF
NM	UNM
NS	UNS

Table 5 - NONDEFINITIVE SPEC/STD DATA  
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT

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<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 6 - REFERENCE MARKINGS  
REFERENCE MARKINGS

<u>REPLY CODE</u>	<u>REPLY (AB44)</u>
ET	AILERON TAB RT DOWN-ARROW CW
AHU #	ARRET (off)
AHX #	ARRIVEE D'EAU. (water.inlet)
AS	ARROW/CCW
AR	ARROW/CW
APH #	BLOCAGE MANETTE DES GAZ. (Throttle.friction.lock)
APJ #	CHAUD (hot)
SG	COLD
KC	DEP-ARROW CCW
QZ	DISENGAGED PULL
MR	ELEV-ARROW CW
QY	ENGAGED PUSH
AKK #	FERME (closed)
AKL #	FERME-OUVERT. (closed-open)
APK #	FROID (cold)
HB	HAIRLINE CALIBRATED IN DEGREES
HA	HAIRLINE CALIBRATED IN INCHES
SH	HOT
AK	INCREASE/ARROW/CW
SM	INDEX MARK
GX	LOCK
AM	LOCK CLOSED/ARROW/CW
AL	LOCK OPEN/ARROW/CW
ST	LOCKED-ARROW CW
SK	LOW STEAMA PRESSURE
ALU #	MARCHE-ARRET-MARCHE-ARRET (on-off-on-off)
ALV #	MARCHE ARRIERE (reverse)
ALW #	MARCHE AVANT (forward gear)
ALT #	MARCHE (on)
CL	OPEN
AF	OPEN/ARROW/CCW
AE	OPEN/ARROW/CW
AJ	OPEN/CLOSED/ARROW/CCW
AG	OPEN/CLOSED/ARROW/CW
SR	OPEN FOR OVERLOAD
AMK #	OUVERT-FERME (open-closed)
AMJ #	OUVERT (open)
SJ	OVERLOAD
APL #	POUSSER POUR VERROUILLER (push to lock)

FIIG A253  
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AB44)</u>
AMV #	POUSSER (push)
AMY #	POUSSER-TOURNER (push-turn)
AN	POWER/ARROW/CW
ML	PULL TO TURN
GZ	PULL TO UNLOCK
TD	PUSH TO LOCK
TE	PUSH TO TRACK
AP	SEA/OPEN/ARROW/CW
AQ	STOP/OPEN/ARROW/CW
SN	STOP VALVE
SQ	THROTTLE FRICTION
APM#	TIRER POUR DEVERROUILLER (pull to unlock)
APN#	TIRER POUR TOURNER (pull to turn)
SZ	UNLOCKED-ARROW CCW
APA#	VERROUILLAGE-DEVERROUILLAGE (lock-unlock)
ANZ#	VERROUILLAGE (locking)

Table 7 - HANDLE MOUNTING METHODS  
HANDLE MOUNTING METHODS

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
AAC	BOLT
AMG	CRIMP
AAB	INTEGRAL
BCW	MACHINE SCREW
BGA	NUT
BMY	PEEN
AAD	PIN
ADC	PRESS FIT
AAG	RIVET
AAF	SETSCREW
AHL	SNAP RING
AAE	STUD
ACS	THREAD

## Reference Drawing Groups

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REFERENCE DRAWING GROUP B Tables .....	78
REFERENCE DRAWING GROUP B .....	79
REFERENCE DRAWING GROUP C Tables .....	84
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REFERENCE DRAWING GROUP D .....	87
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APPENDIX B

REFERENCE DRAWING GROUP A Tables  
ARM STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.  
(e.g., AWKGJAA0.250\*; AWKGJLA10.0\*; AWKGJAB0.245\$\$JAC0.255\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AJAT	J	OFFSET HEIGHT
AWKG	J	CRANK THROW LENGTH
AWKH	J	ARM LENGTH

REFERENCE DRAWING GROUP A

ARM STYLES

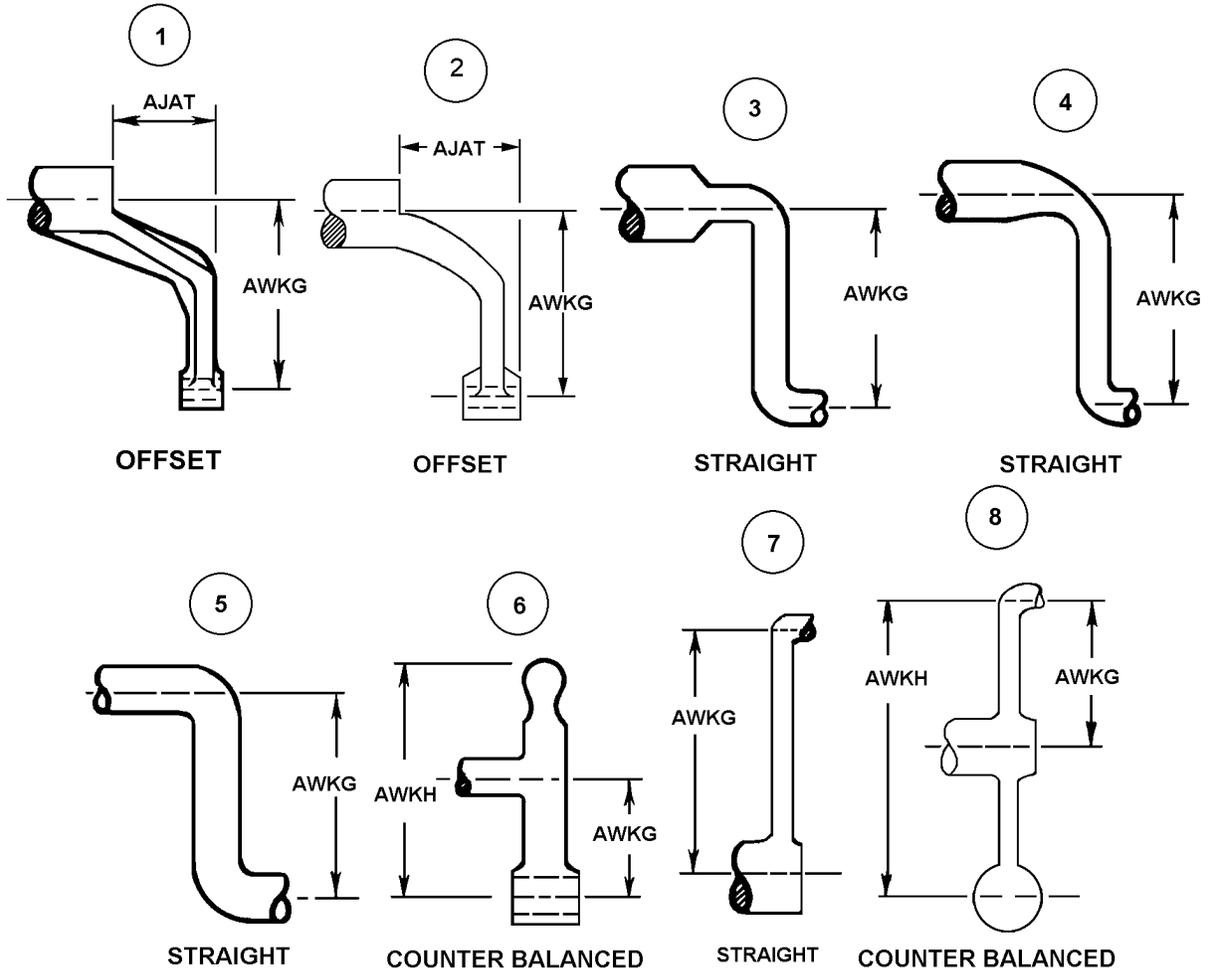
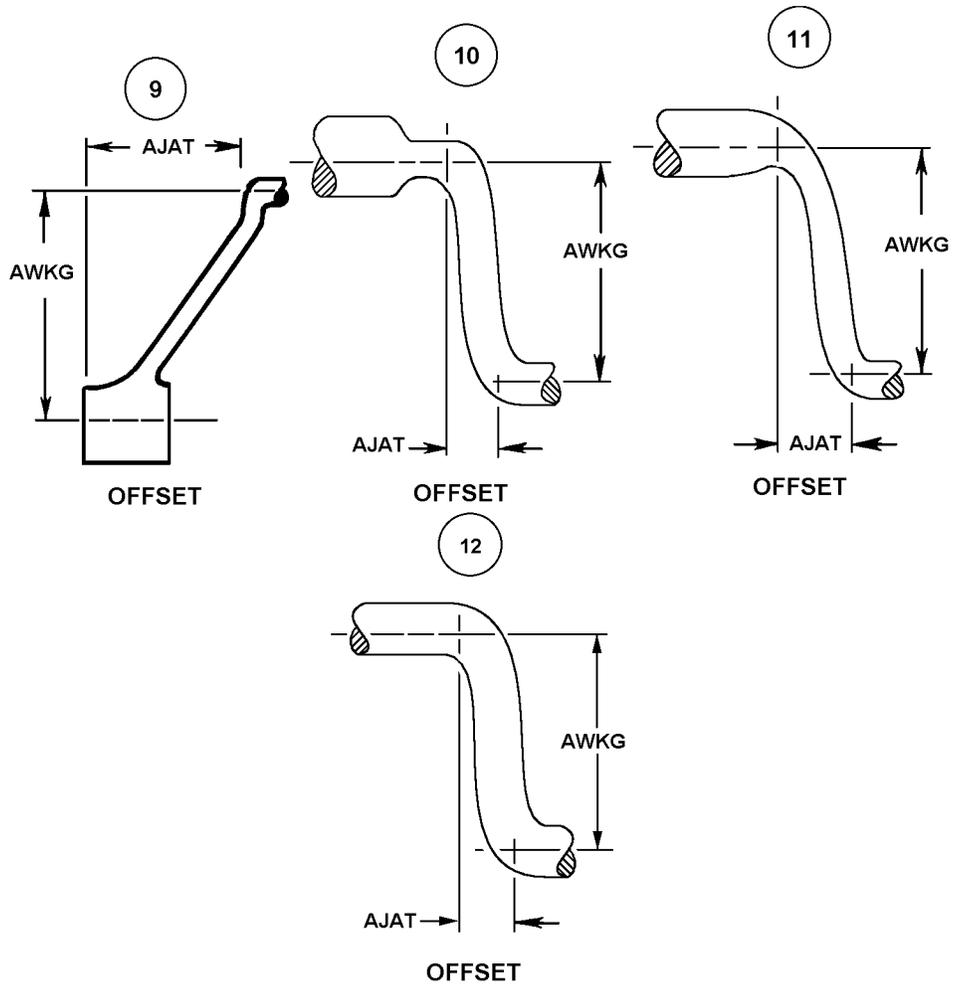


FIG A253  
APPENDIX B



FIIG A253  
APPENDIX B

REFERENCE DRAWING GROUP B Tables  
HANDWHEEL STYLES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.  
(e.g., AJLJAA0.250\*; AJLJLA5.0\*; AJLJAB0.250\$\$JAC0.266\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGL	J	WIDTH
ABKV	J	OUTSIDE DIAMETER
ABKW	J	OVERALL HEIGHT
ABRY	J	LENGTH
AJLJ	J	HUB LENGTH
ALNC	J	HUB OUTSIDE DIAMETER

Enter the numeric value. (e.g., AWKKB45.0\*)

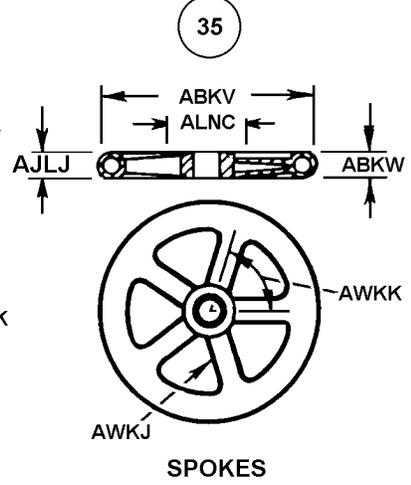
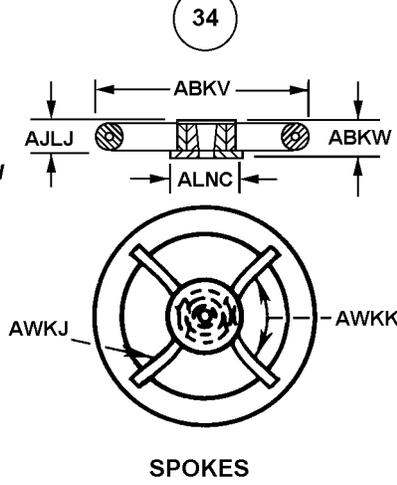
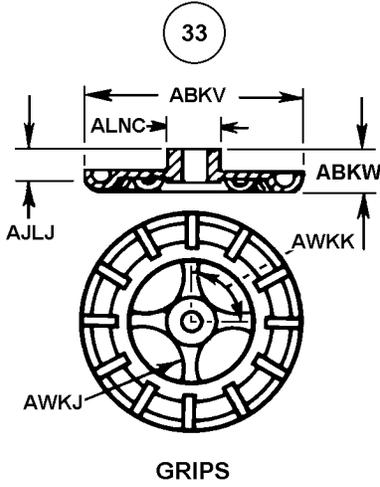
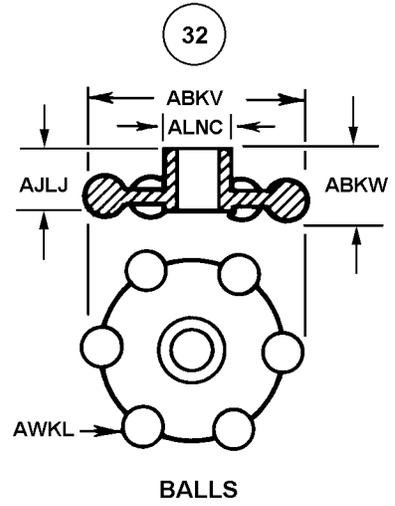
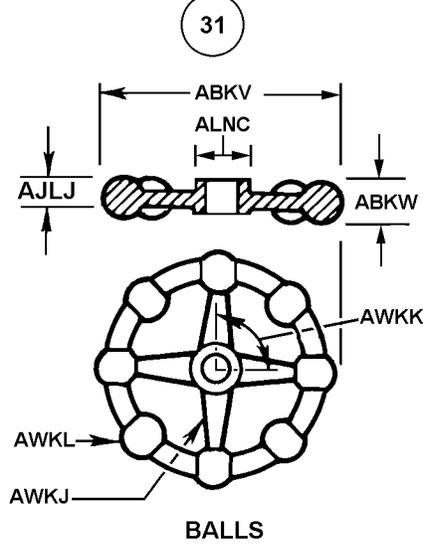
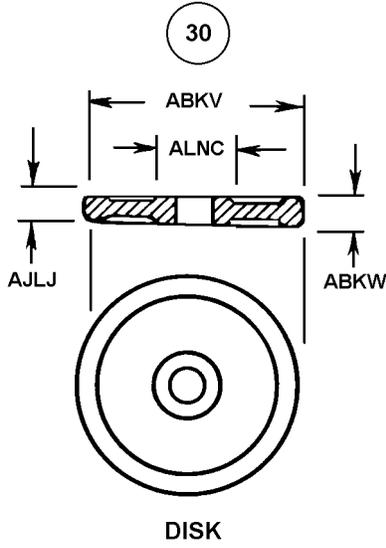
<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AWKK	B	SPOKE ANGLE IN DEG

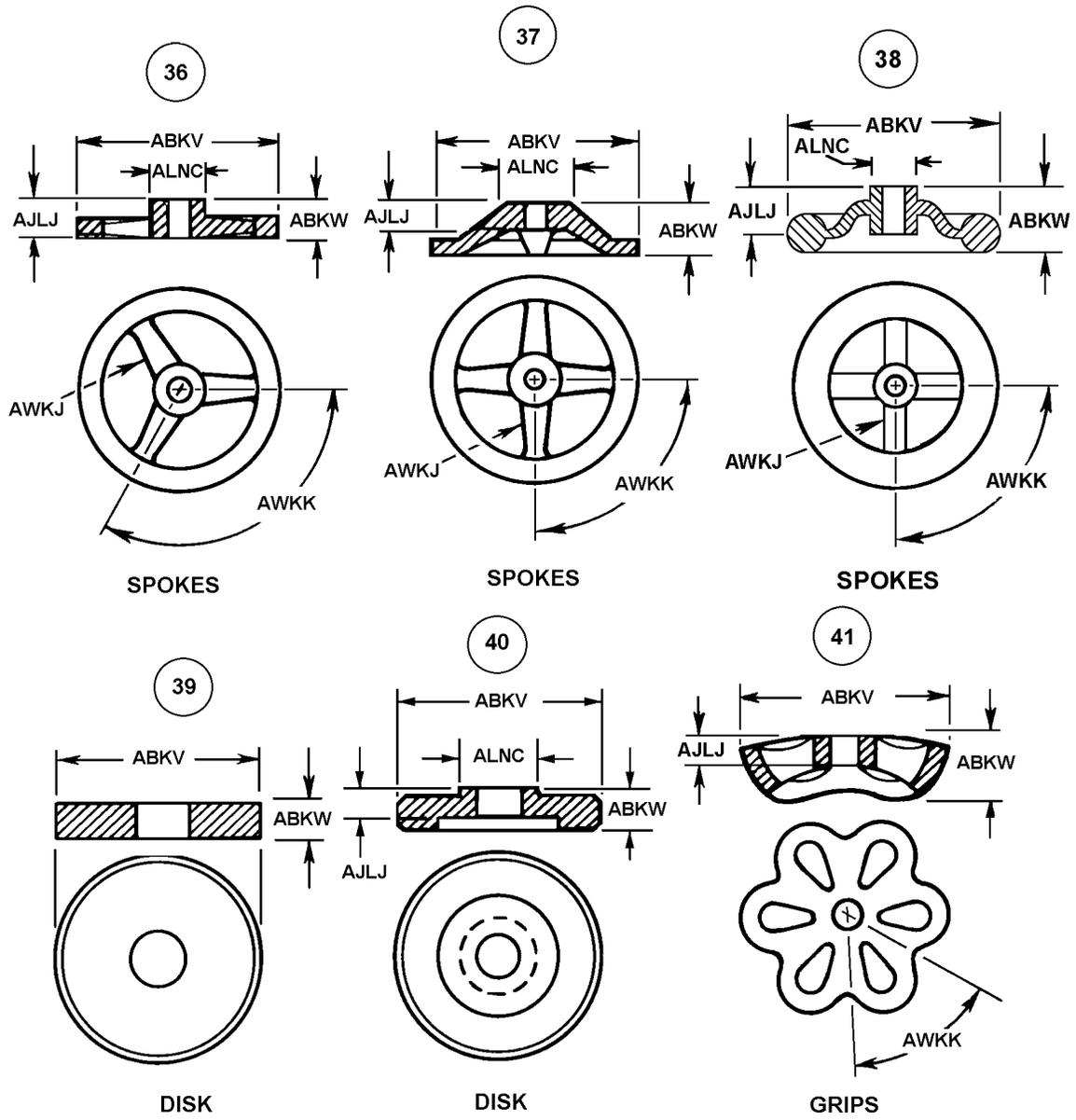
Enter the quantity. (e.g., AWKJA6\*)

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AWKJ	A	SPOKE QUANTITY
AWKL	A	GRIP QUANTITY

REFERENCE DRAWING GROUP B

HANDWHEEL STYLES





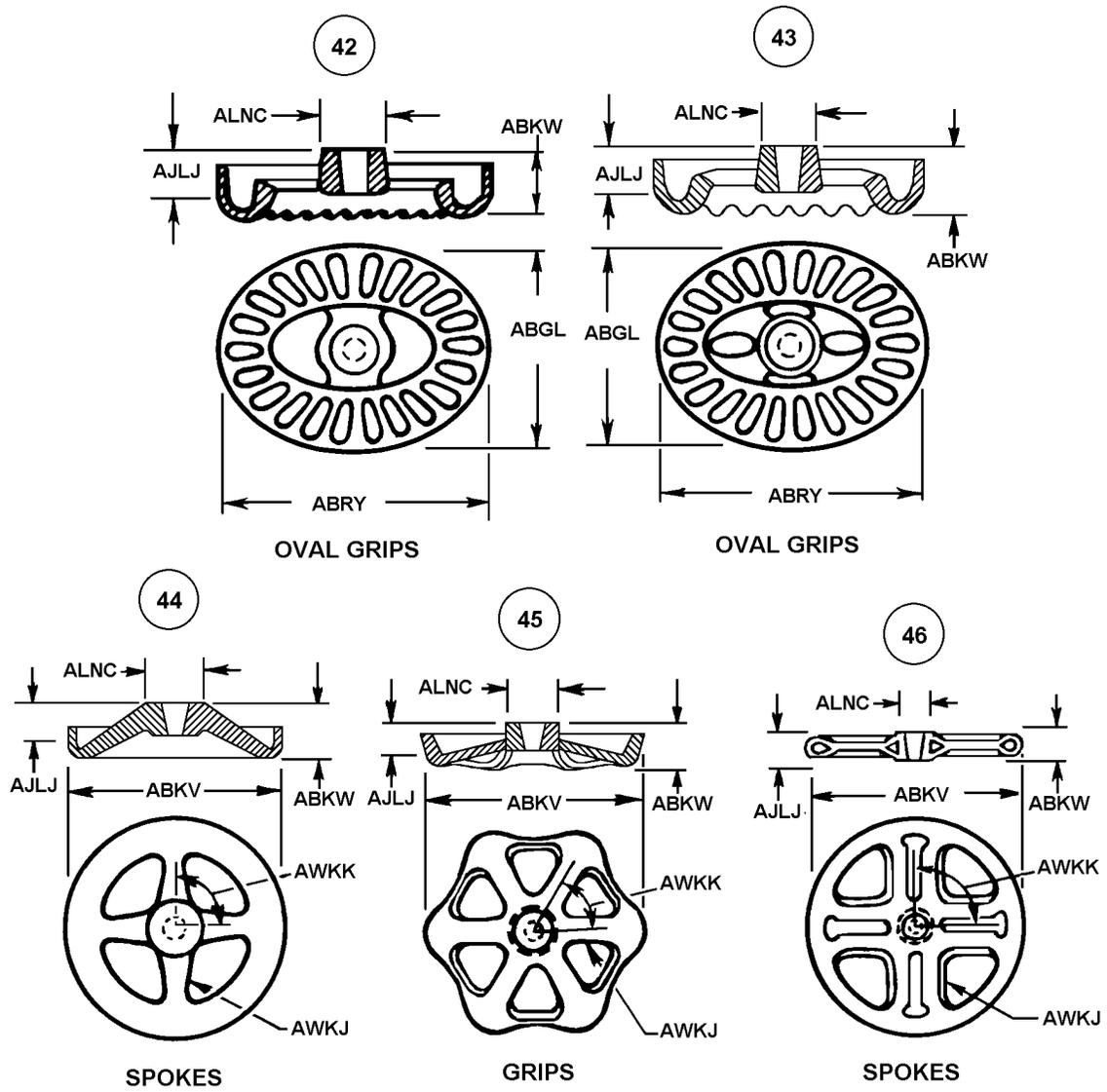
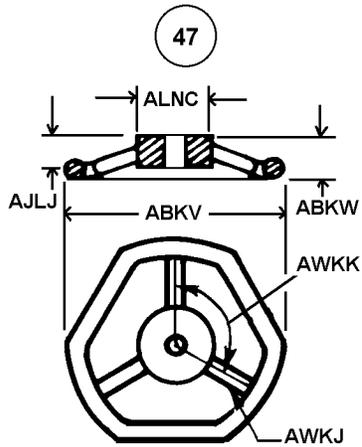
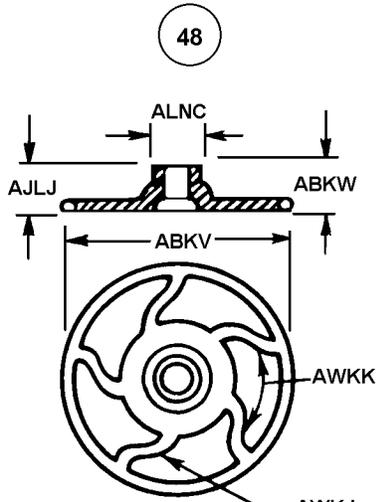


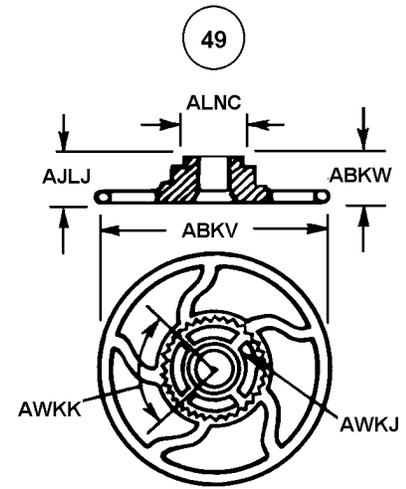
FIG A253  
APPENDIX B



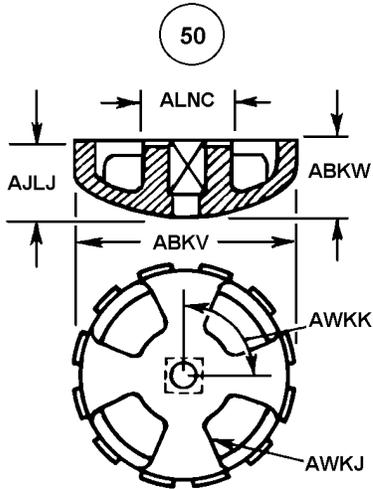
TRIANGULAR GRIPS



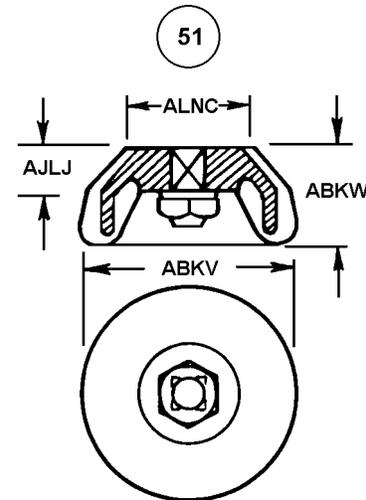
SPOKES



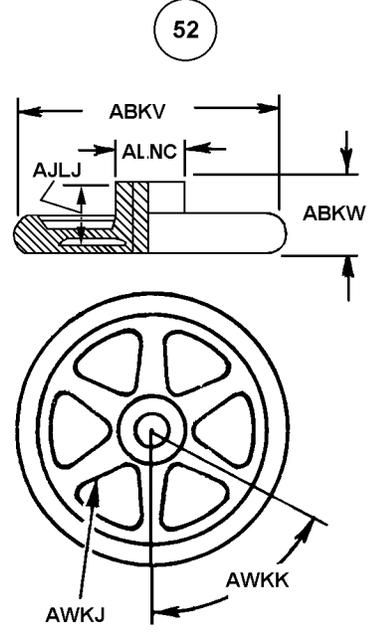
SPOKES



GRIPS

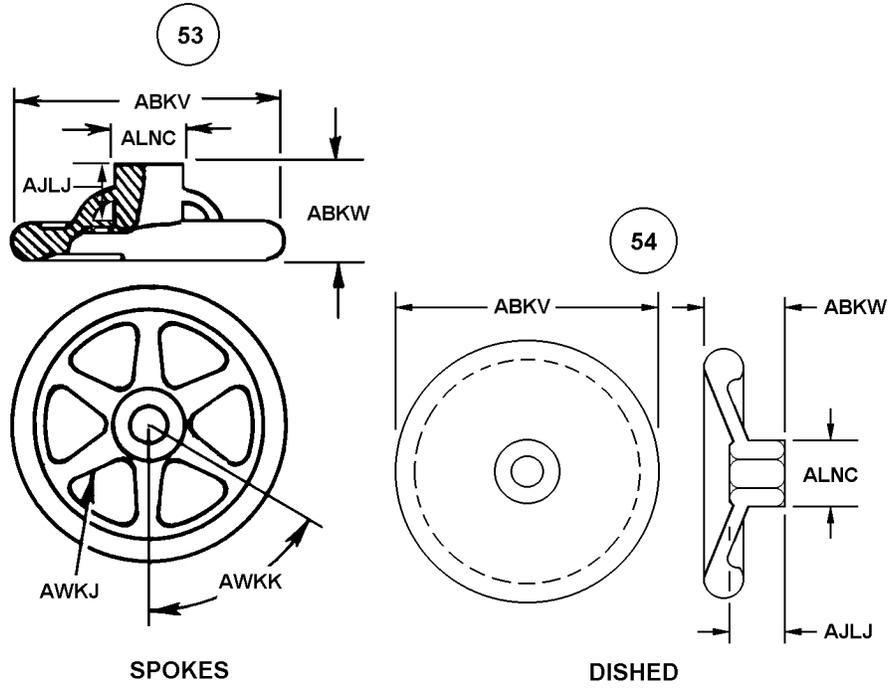


CUP



SPOKES

FIG A253  
APPENDIX B



FIIG A253  
APPENDIX B

REFERENCE DRAWING GROUP C Tables  
HANDLE STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.  
(e.g., AASNJAA0.250\*; AASNJLA3.0\*; AASNJAB0.245\$\$JAC0.250\*)

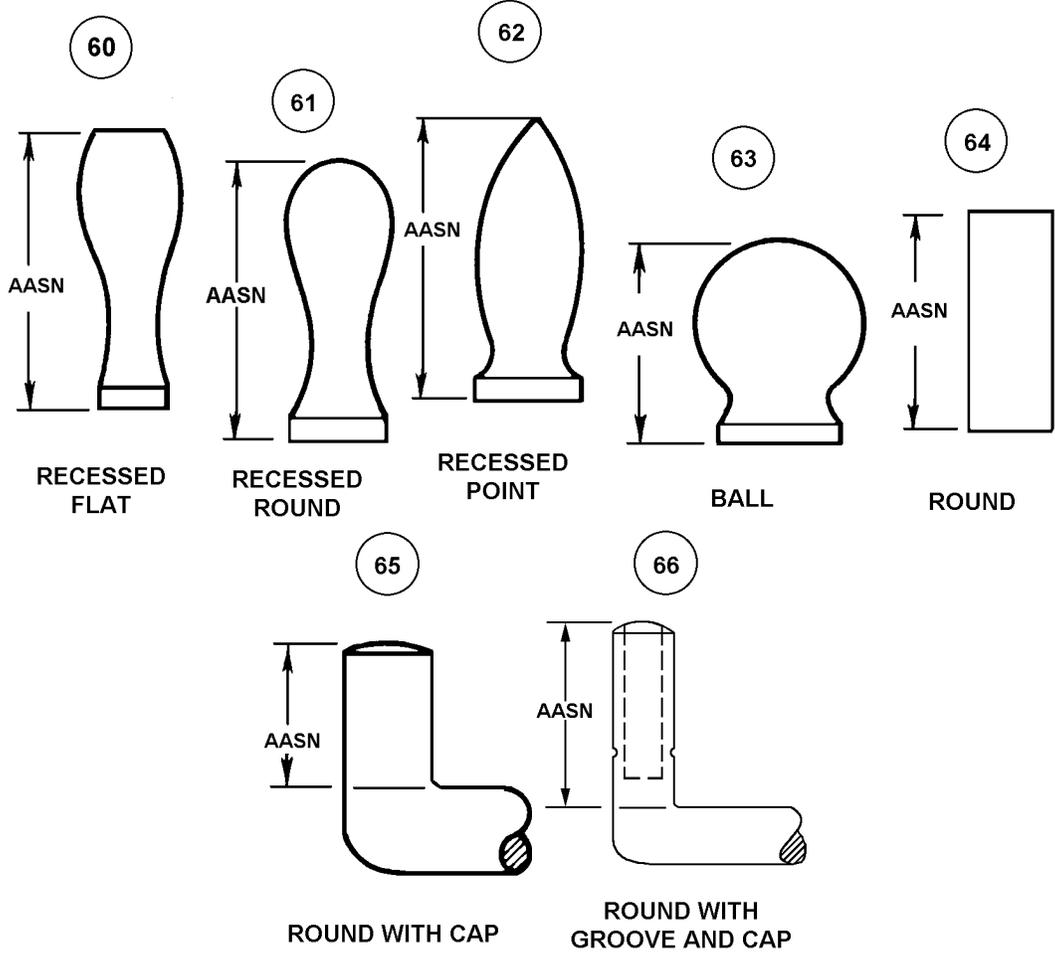
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AASN	J	HANDLE LENGTH

REFERENCE DRAWING GROUP C

HANDLE STYLES



FIIG A253  
APPENDIX B

REFERENCE DRAWING GROUP D Tables  
DRIVE END STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.  
(e.g., ADJVJAA0.250\*; ADJVJLA10.0\*; ADJVJAB0.245\$\$JAC0.250\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AATR	J	SHANK LENGTH
ABGC	J	SLOT WIDTH
ABRW	J	SLOT LENGTH
ADJV	J	OUTSIDE WIDTH
AGBT	J	FORK WIDTH
AHMK	J	DRIVE END OUTSIDE DIAMETER
AJSD	J	FORK SPAN WIDTH
AKYX	J	FORK DEPTH
AQZQ	J	SHANK HEIGHT
AWKM	J	LENGTH FROM END TO ARM CENTER

REFERENCE DRAWING GROUP D

DRIVE END STYLES

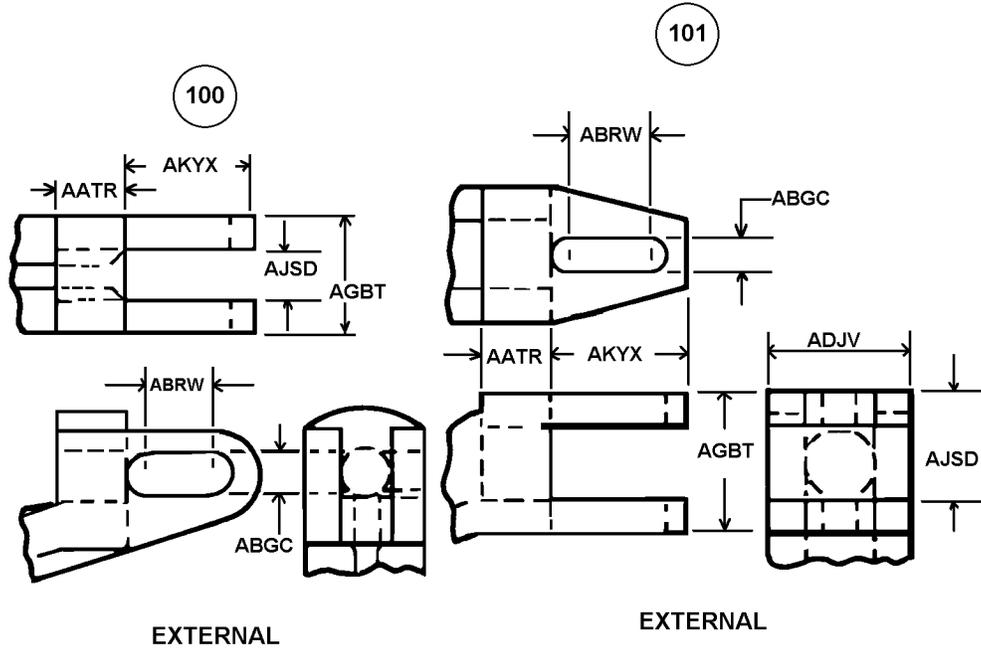
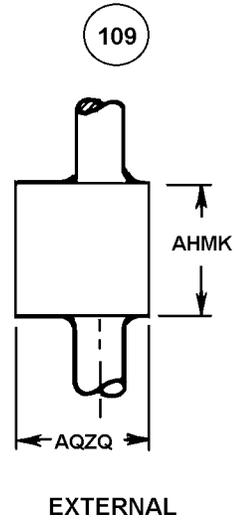
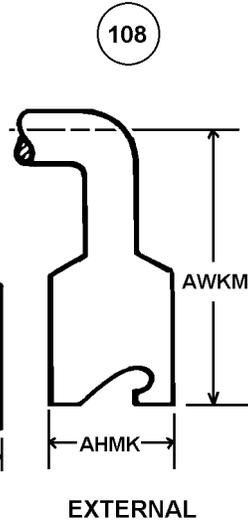
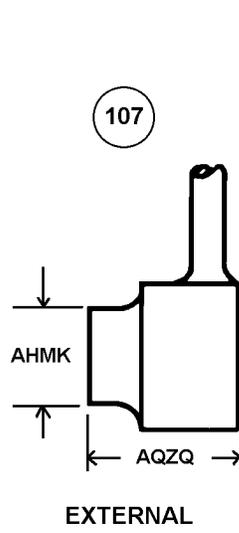
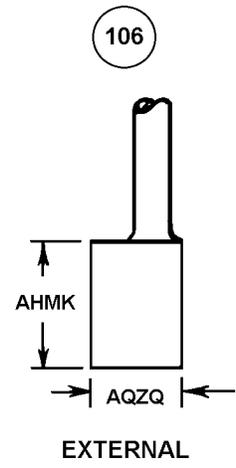
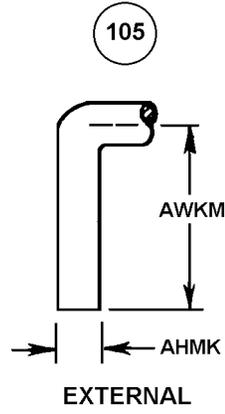
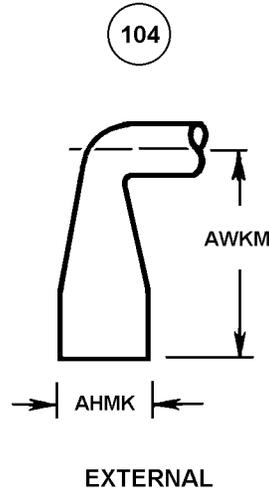
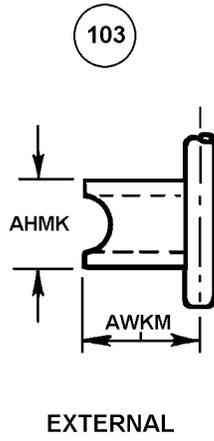
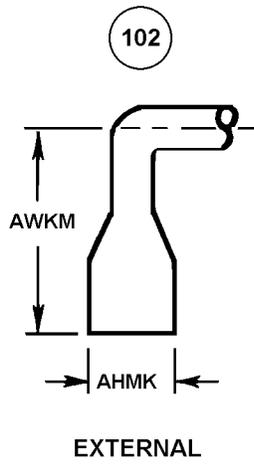


FIG A253  
APPENDIX B



FIIG A253  
APPENDIX B

REFERENCE DRAWING GROUP E Tables  
DRIVE FACILITY

INDEX OF MASTER REQUIREMENT CODES

NOTE: INCLUDE MRC ABFY OR ABHP FOR ALL STYLES. (SEE STYLES 132 AND 167  
FOR CLARIFICATION).

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.  
(e.g., AAZQJAA3.500\*; AAZQJLA9.0\*; AAZQJAB3.000\$\$JAC3.500\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AARX	J	INSIDE DIAMETER
AAST	J	KEY LENGTH
AAUB	J	HOLE DIAMETER
AAUH	J	SPLINE MINOR DIAMETER
AAUJ	J	SPLINE MAJOR DIAMETER
AAUK	J	SPLINE WIDTH
AAVH	J	SHOULDER DIAMETER
AAVK	J	SHOULDER LENGTH
AAWY	J	COUNTERBORE DIAMETER
AAWZ	J	COUNTERBORE DEPTH
AAZQ	J	HOLE DEPTH
ABFY	J	OVERALL DEPTH
ABGB	J	WIDTH ACROSS CORNERS
ABGE	J	TAPERED END MINOR DIAMETER
ABGG	J	RADIUS
ABHP	J	OVERALL LENGTH
ABNC	J	FLAT HEIGHT
ABRR	J	KEYWAY WIDTH
ABRV	J	KEYWAY DEPTH
ABSF	J	KEY WIDTH

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APPENDIX B

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AXFE	J	KEY HEIGHT
ABVV	J	PIN DIAMETER
AFYS	J	KEYWAY LENGTH
AKRS	J	PIN LENGTH
AWGN	J	DRIVE WIDTH
AWKN	J	DRIVE FACILITY OUTSIDE DIAMETER
AWKQ	J	DRIVE LENGTH

Enter the numeric value. (e.g., ABGKB63.0\*)

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGK	B	TAPER ANGLE IN DEG
ADVR	B	ANGLE IN DEG

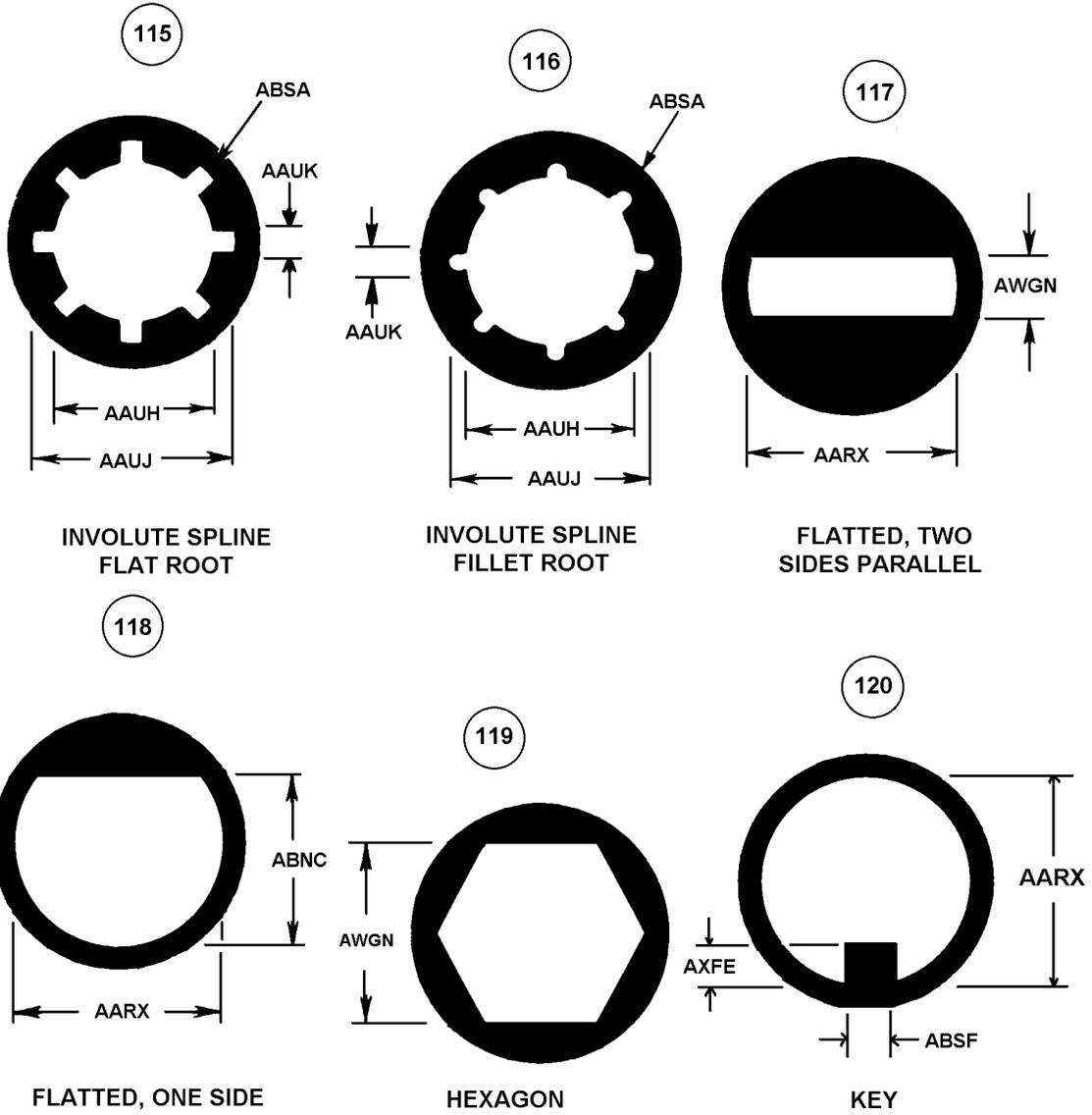
For MRCs ABSA, ADDW, AEVC, AEVE, ASXK, and AWKP, enter the quantity. (e.g., ABSAA4\*)

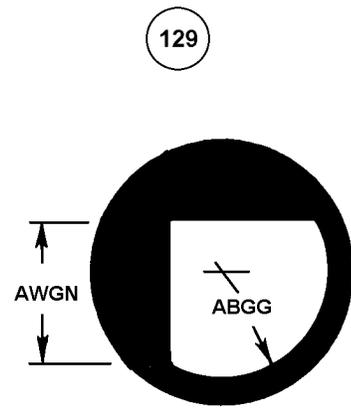
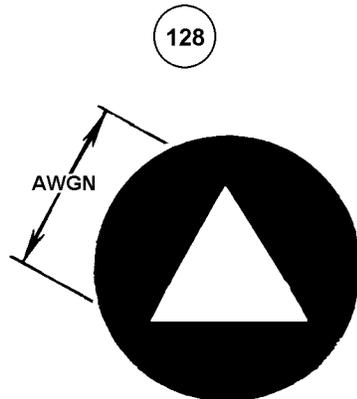
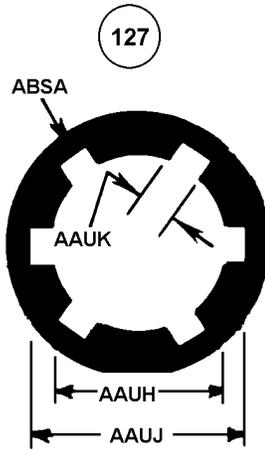
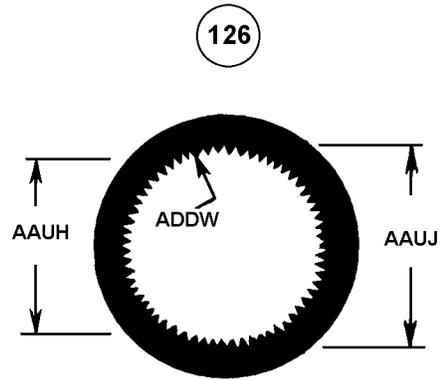
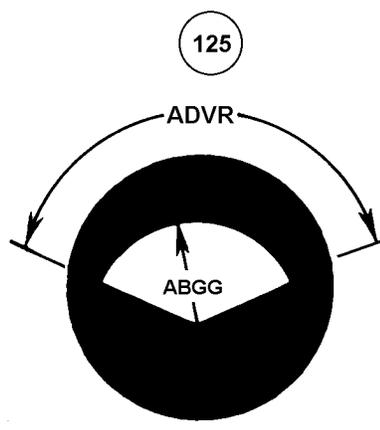
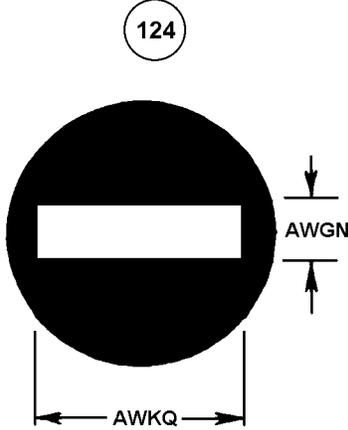
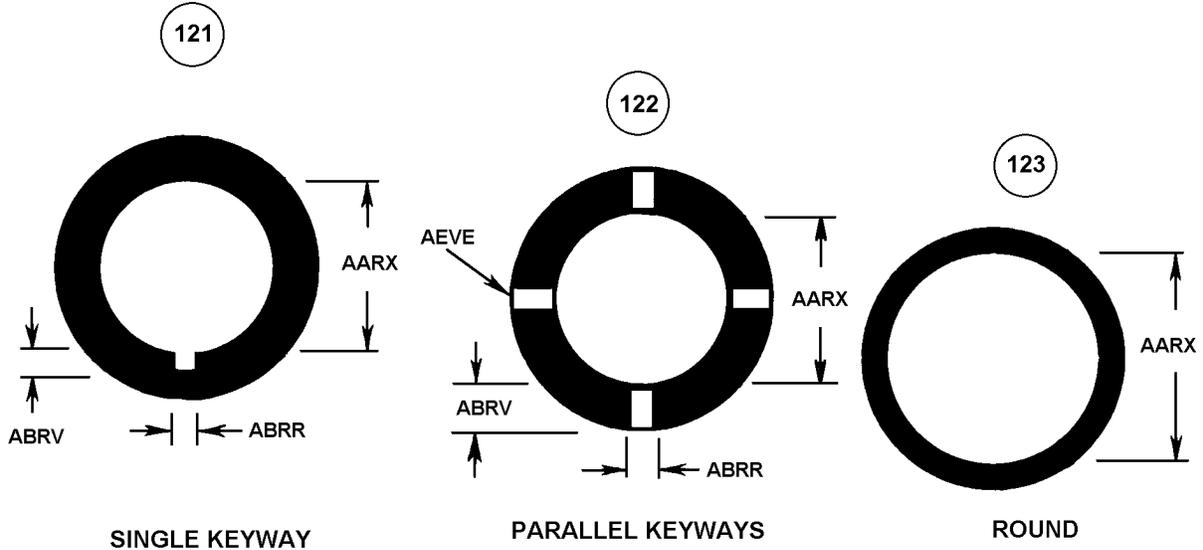
<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABSA	A	SPLINE QUANTITY
ADDW	A	SERRATION QUANTITY
AEVC	A	KEY QUANTITY
AEVE	A	KEYWAY QUANTITY
ASXK	A	HOLE QUANTITY
AWKP	A	PIN QUANTITY

REFERENCE DRAWING GROUP E

DRIVE FACILITY

FEMALE DRIVE FACILITY



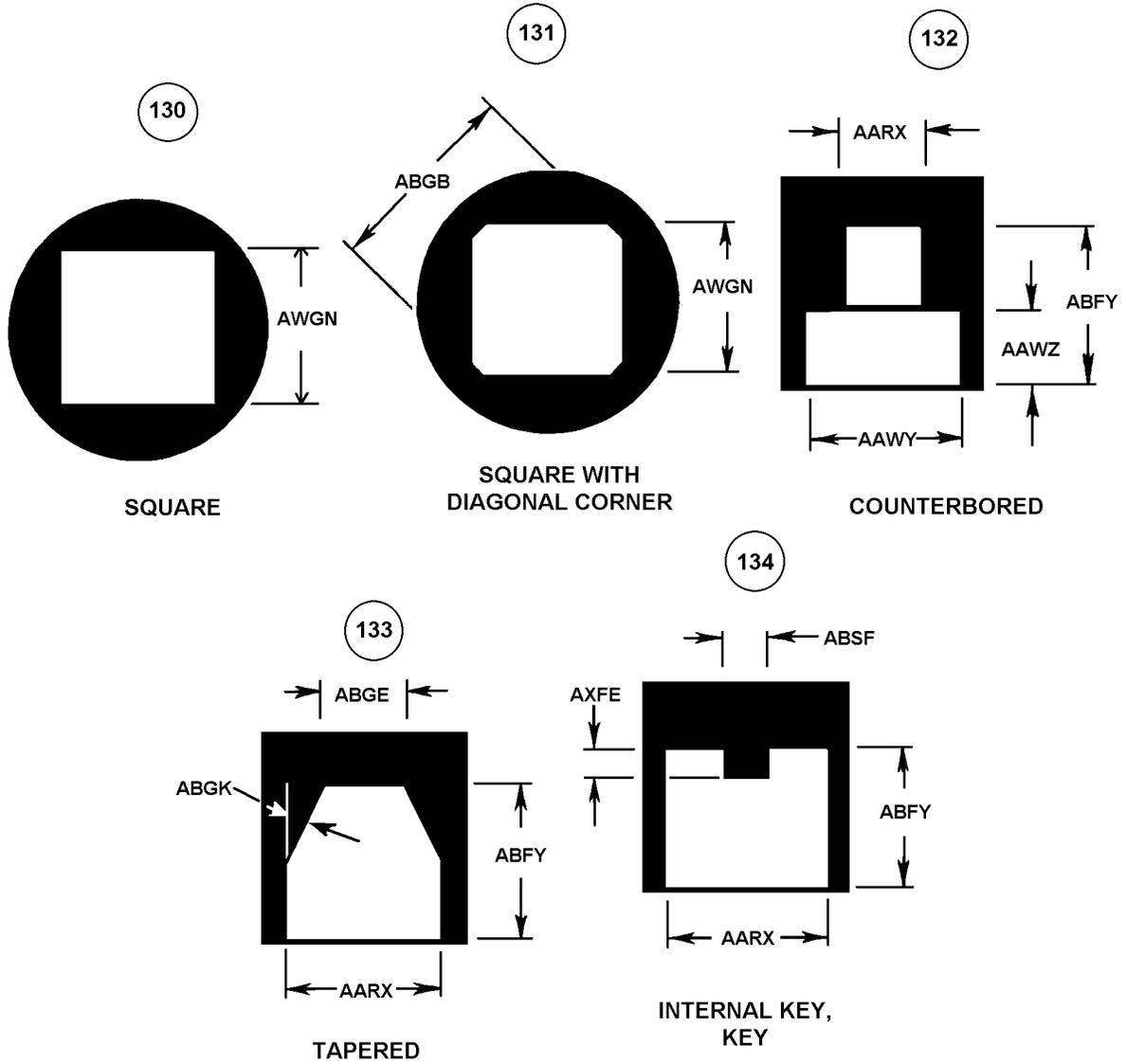


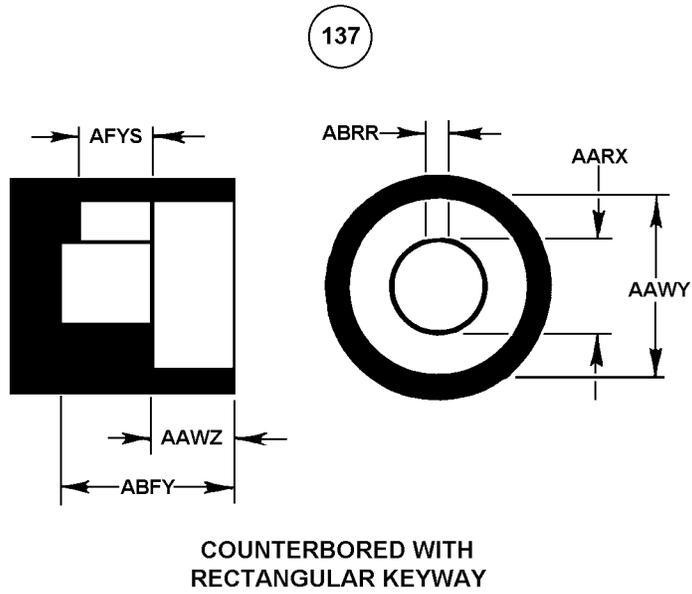
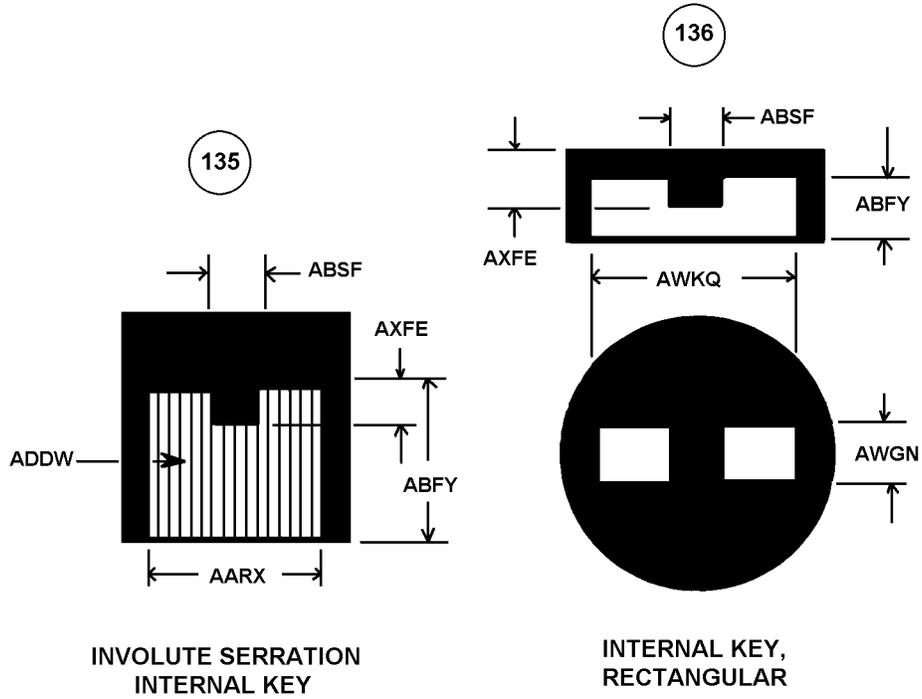
PARALLEL SPLINE

EQUIANGULAR

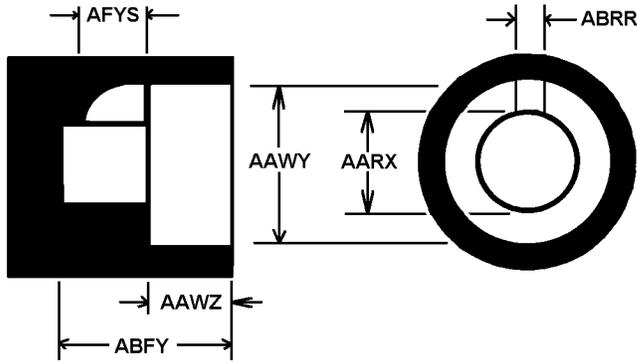
FLATTED, TWO SIDES 90 DEGREES

FIG A253  
APPENDIX B



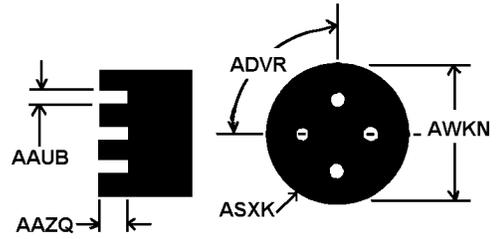


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COUNTERBORED WITH  
ROUND KEYWAY

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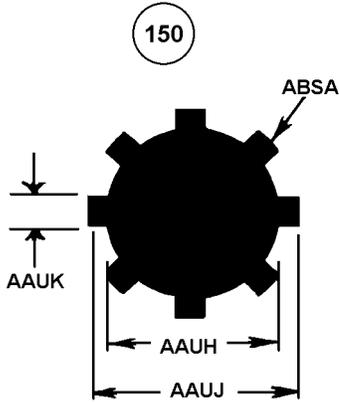


PARALLEL HOLES

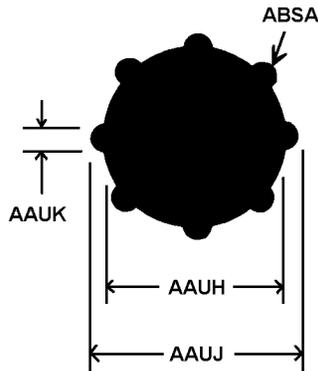
DRIVE FACILITY

MALE DRIVE FACILITY

151

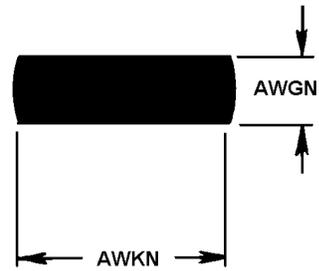


INVOLUTE SPLINE  
FLAT ROOT



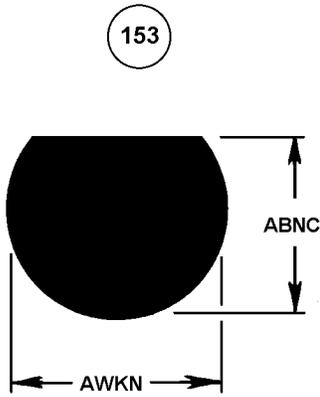
INVOLUTE SPLINE  
FILLET ROOT

152

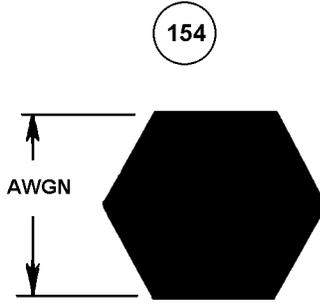


FLATTED, TWO  
SIDES PARALLEL

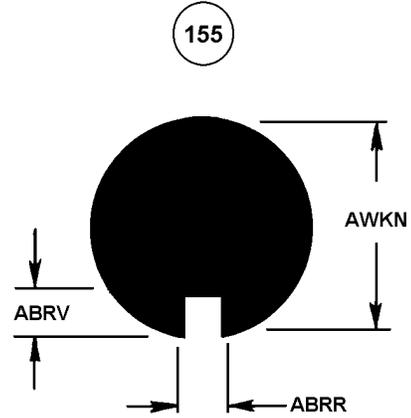
FIG A253  
APPENDIX B



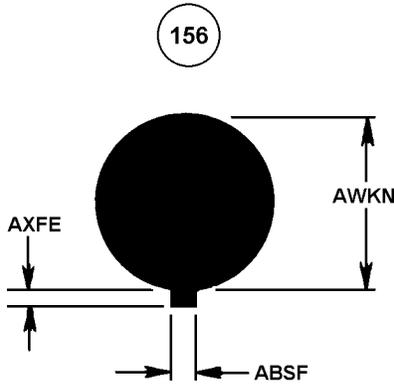
FLATTED, ONE SIDE



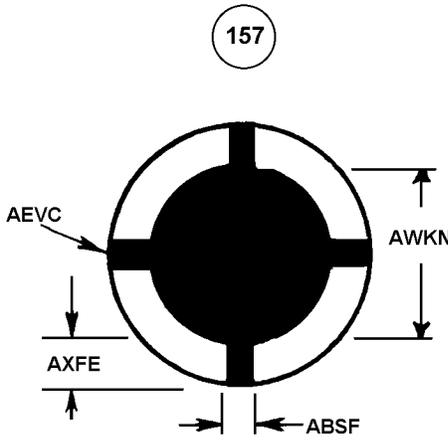
HEXAGON



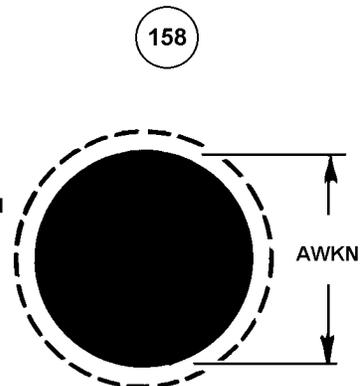
KEYWAY



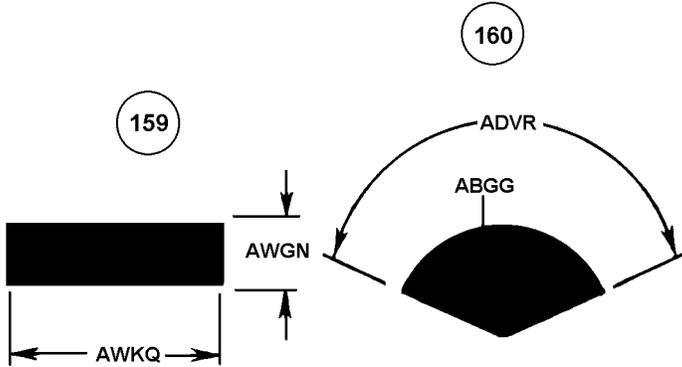
SINGLE KEY



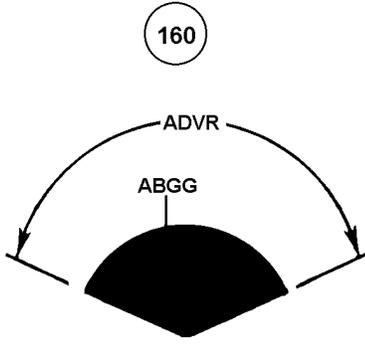
PARALLEL KEYS



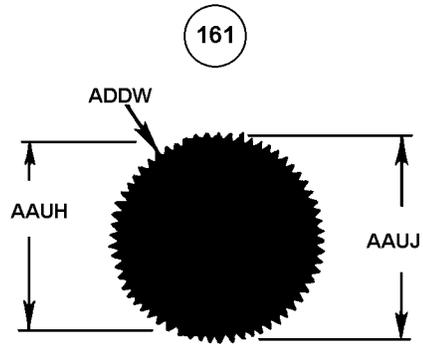
ROUND



RECTANGULAR



SECTOR



INVOLUTE  
SERRATION

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APPENDIX B

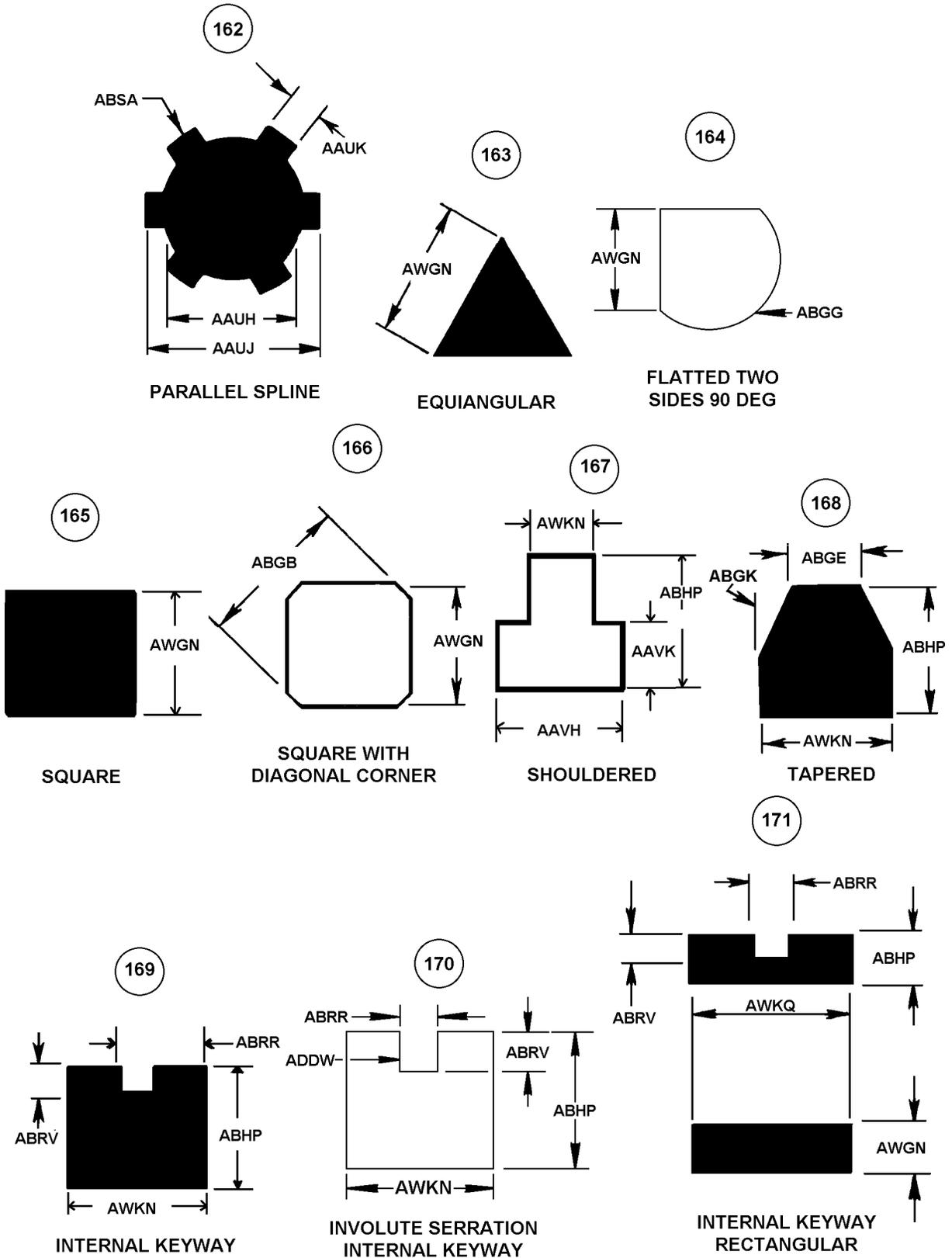
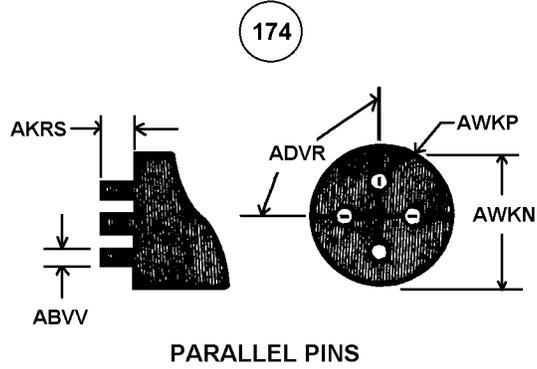
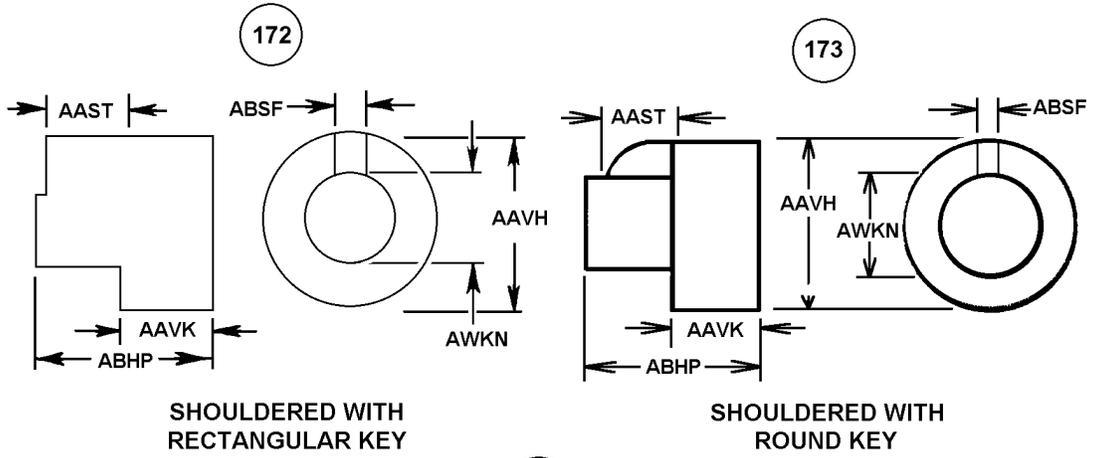


FIG A253  
APPENDIX B



## Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART .....	100
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STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	
				1/64	.016	.0156					33/64	.516	.5156	
			1/32	-----	.031	.0312				17/32	-----	.531	.5312	
				3/64	.047	.0469						35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625	
				5/64	.078	.0781						37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938	
				7/64	.109	.1094						39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250	5/8	-----	-----	-----	-----	.625	.6250	
				9/64	.141	.1406						41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562	
				11/64	.172	.1719						43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875	
				13/64	.203	.2031						45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188	
				15/64	.234	.2344						47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500	
				17/64	.266	.2656						49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812	
				19/64	.297	.2969						51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125	
				21/64	.328	.3281						53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438	
				23/64	.359	.3594						55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750	7/8	-----	-----	-----	-----	.875	.8750	
				25/64	.391	.3906						57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062	
				27/64	.422	.4219						59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375	
				29/64	.453	.4531						61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688	
				31/64	.484	.4844						63/64	.984	.9844
					.500	.5000						1.000	1.0000	

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FIIG Change List, Effective December 4, 2009

Replaced SAC "Secondary Address Coding" with AND/OR Coding for MRC's ANNQ, ANNR, and AWJT.

Updated MRC NAME in Section 1.

Remove Reply Code AAAAAA "Any Acceptable" from Table 2.

Remove Reply Code A "Any Acceptable" from Table 3.